

**HUMIDITY.**

The averages by districts appear in the subjoined table:

*Average relative humidity and departures from the normal.*

Districts.	Average.	Departure from the normal.	Districts.	Average.	Departure from the normal.
New England .....	83	0	Missouri Valley .....	88	+ 1
Middle Atlantic .....	79	+ 2	Northern Slope .....	88	+ 15
South Atlantic .....	81	+ 0	Middle Slope .....	82	+ 4
Florida Peninsula .....	83	+ 1	Southern Slope .....	85	+ 3
East Gulf .....	77	- 0	Southern Plateau .....	87	- 3
West Gulf .....	73	- 1	Middle Plateau .....	84	- 3
Ohio Valley and Tennessee .....	76	+ 8	Northern Plateau .....	58	- 5
Lower Lake .....	74	0	North Pacific Coast .....	76	- 5
Upper Lake .....	78	+ 2	Middle Pacific Coast .....	64	+ 4
North Dakota .....	76	+ 11	South Pacific Coast .....	68	+ 3
Upper Mississippi .....	70	- 2			

**SUNSHINE AND CLOUDINESS.**

The distribution of sunshine is graphically shown on Chart VII, and the numerical values of average daylight cloudiness, both for individual stations and by geographical districts, appear in Table I.

The averages for the various districts, with departures from the normal, are shown in the table below:

*Average cloudiness and departures from the normal.*

Districts.	Average.	Departure from the normal.	Districts.	Average.	Departure from the normal.
New England .....	4.5	- 0.5	Missouri Valley .....	4.5	+ 0.5
Middle Atlantic .....	4.7	- 0.1	Northern Slope .....	5.2	+ 1.2
South Atlantic .....	4.7	- 0.1	Middle Slope .....	4.0	+ 0.8
Florida Peninsula .....	5.9	+ 0.4	Southern Slope .....	4.4	+ 0.8
East Gulf .....	4.5	+ 0.1	Southern Plateau .....	1.8	- 1.0
West Gulf .....	4.2	- 0.1	Middle Plateau .....	1.6	- 0.9
Ohio Valley and Tennessee .....	4.0	- 0.4	Northern Plateau .....	5.1	+ 1.0
Lower Lake .....	4.6	- 0.2	North Pacific Coast .....	5.0	+ 0.1
Upper Lake .....	5.6	+ 0.5	Middle Pacific Coast .....	3.6	+ 0.8
North Dakota .....	5.9	+ 1.6	South Pacific Coast .....	2.5	0.0
Upper Mississippi .....	4.4	+ 0.2			

**WIND.**

The maximum wind velocity at each Weather Bureau station for a period of five minutes is given in Table I, which

also gives the altitude of Weather Bureau anemometers above ground.

Following are the velocities of 50 miles and over per hour registered during the month:

**Maximum wind velocities.**

Stations.	Date.	Velocity.	Direction.	Stations.	Date.	Velocity.	Direction.
Buffalo, N. Y. ....	16	53	sw.	Mount Tamalpais, Cal. ....	29	69	nw.
Cape Henry, Va. ....	18	56	ne.	Point Reyes Light, Cal. ....	1	53	nw.
Do. ....	19	50	ne.	Pueblo, Colo. ....	19	50	n.
Denver, Colo. ....	24	50	nw.	San Juan, Porto Rico. ....	12	53	se.
Modena, Utah. ....	23	60	sw.	Santiago de Cuba. ....	18	54	se.
Mount Tamalpais, Cal. ....	12	55	nw.	Sioux City, Iowa. ....	11	50	se.
Do. ....	23	53	sw.				

**ATMOSPHERIC ELECTRICITY.**

Numerical statistics relative to auroras and thunderstorms are given in Table IV, which shows the number of stations from which meteorological reports were received, and the number of such stations reporting thunderstorms (T) and auroras (A) in each State and on each day of the month, respectively.

*Thunderstorms.*—Reports of 2,629 thunderstorms were received during the current month as against 2,563 in 1900 and 5,891 during the preceding month.

The dates on which the number of reports of thunderstorms for the whole country were most numerous were: 11th, 255; 10th, 210; 15th, 198.

Reports were most numerous from: Nebraska, 234; Missouri, 163; Kansas, 156.

*Auroras.*—The evenings on which bright moonlight must have interfered with observations of faint auroras are assumed to be the four preceding and following the date of full moon, viz: 24th to October 2d.

*In Canada.*: Thunderstorms were reported as follows: Halifax, 13; Grand Manan, 16; Yarmouth, 5, 13; Charlottetown, 14; Quebec, 7, 16; Montreal, 7, 16; Toronto, 10, 12; White River, 28; Port Stanley, 12; Parry Sound, 16, 23; Port Arthur, 27, 28; Winnipeg, 24; Minnedosa, 4, 5, 25; Qu'Appelle, 4, 9, 24; Medicine Hat, 12, 13; Swift Current, 1; Banff, 1; Battleford, 10; Hamilton, Bermuda, 11, 15.

*Auroras.*—Auroras were reported as follows; Grand Manan, 10; Quebec, 10; Port Arthur, 11; Winnipeg, 11; Qu'Appelle, 10; Swift Current, 10; Battleford, 11, 12.

**DESCRIPTION OF TABLES AND CHARTS.**

By ALFRED J. HENRY, Professor of Meteorology.

Table I gives, for about 145 Weather Bureau stations making two observations daily and for about 25 others making only one observation, the data ordinarily needed for climatological studies, viz, the monthly mean pressure, the monthly means and extremes of temperature, the average conditions as to moisture, cloudiness, movement of the wind, and the departures from normals in the case of pressure, temperature, and precipitation, the total depth of snowfall, and the mean wet-bulb temperatures. The altitudes of the instruments above ground are also given.

Table II gives, for about 2,700 stations occupied by voluntary observers, the highest maximum and the lowest minimum temperatures, the mean temperature deduced from the average of all the daily maxima and minima, or other readings, as indicated by the numeral following the name of the station; the

total monthly precipitation, and the total depth in inches of any snow that may have fallen. When the spaces in the snow column are left blank it indicates that no snow has fallen, but when it is possible that there may have been snow of which no record has been made, that fact is indicated by leaders, thus (....).

Table III gives, for all stations that make observations at 8 a. m. and 8 p. m., the four component directions and the resultant directions based on these two observations only and without considering the velocity of the wind. The total movement for the whole month, as read from the dial of the Robinson anemometer, is given for each station in Table I. By adding the four components for the stations comprised in any geographical division the average resultant direction for that division can be obtained.

Table IV gives the total number of stations in each State from which meteorological reports of any kind have been received, and the number of such stations reporting thunderstorms (T) and auroras (A) on each day of the current month.

Table V gives a record of rains whose intensity at some period of the storm's continuance equaled or exceeded the following rates:

Duration, minutes..	5	10	15	20	25	30	35	40	45	50	60	80	100	120
Rates pr. hr. (ins.)..	3.00	1.80	1.40	1.20	1.08	1.00	0.94	0.90	0.86	0.84	0.75	0.60	0.54	0.50

In the northern part of the United States, especially in the colder months of the year, rains of the intensities shown in the above table seldom occur. In all cases where no storm of sufficient intensity to entitle it to a place in the full table has occurred, the greatest rainfall of any single storm has been given, also the greatest hourly fall during that storm.

Table VI gives, for about 30 stations furnished by the Canadian Meteorological Service, Prof. R. F. Stupart, director, the means of pressure and temperature, total precipitation and depth of snowfall, and the respective departures from normal values, except in the case of snowfall.

Table VII gives the heights of rivers referred to zeros of gages.

#### NOTES EXPLANATORY OF THE CHARTS.

Chart I, tracks of centers of high areas, and Chart II, tracks of centers of low areas, are constructed in the same way. The roman numerals show number and chronological order of highs (Chart I) and lows (Chart II). The figures within the circles show the days of the month; the letters *a* and *p* indicate, respectively, the 8 a. m. and 8 p. m., seventy-fifth meridian time, observations. Within each circle is also given (Chart I) the highest barometric reading and (Chart II) the lowest pressure at or near the center at that time.

Chart III.—Total precipitation. The scale of shades showing the depth of rainfall is given on the chart itself. For isolated stations the rainfall is given in inches and tenths, when appreciable; otherwise, a "trace" is indicated by a capital T, and no rain at all, by 0.0.

Chart IV.—Sea-level pressure, temperature, and resultant surface winds. The wind directions on this Chart are the computed resultants of observations at 8 a. m. and 8 p. m., daily; the resultant duration is shown by figures attached to each arrow. The temperatures are the means of daily maxima and minima and are reduced to sea level. The pressures are the means of 8 a. m. and 8 p. m. observations, daily, and are reduced to sea level and to standard gravity. The reduction for 30 inches of the mercurial barometer, as formerly shown by the marginal figures for each degree of latitude, has already been applied.

Chart V.—Hydrographs for seven principal rivers of the United States.

Chart VI.—Surface temperatures; maximum, minimum, and mean. Lines of equal monthly mean temperature in red; lines of equal maximum temperature in black; and lines of equal minimum temperature (dotted) also in black.

Chart VII.—Percentage of sunshine. The average cloudiness at each Weather Bureau station is determined by numerous personal observations during the day. The difference between the observed cloudiness and 100, it is assumed, represents the percentage of sunshine, and the values thus obtained have been used in preparing Chart VII.

Chart VIII.—West Indian monthly isobars, isotherms, and resultant winds.

Chart IX.—Total snowfall.

Chart X.—Annual normal surface isobars and wind and cloud directions in arctic regions.

TABLE I.—Climatological data for Weather Bureau Stations, September, 1901.

Stations.	Elevation of instruments.		Pressure, in inches.			Temperature of the air, in degrees Fahrenheit.						Precipitation, in inches.			Wind.									
	Barometer above sea level, feet.		Mean actual, 8 a.m. + 8 p.m. + 2.			Mean maximum + mean minimum + 2%.			Departure from normal.			Mean maximum.			Mean minimum.			Greatest daily range.						
	Thermometers above ground.	Anerometer above ground.	Mean reduced.	Departure from normal.	Date.	Mean maximum.	Minimum.	Date.	Mean minimum.	Maximum.	Minimum.	Date.	Mean minimum.	Maximum.	Mean dew-point.	Mean relative humidity, per cent.	Total.	Departure from normal.	Days with 0.1 or more.	Total movement, miles.	Precipitation, in inches.	Wind direction.	Miles per hour.	Maximum velocity.
New England.																								
Eastport.	76	69	74	29.94	30.08	.00	62.4	+ 1.7	57.4	+ 1.6	51.5	+ 2.1	88	+ 5.5	50	+ 5.5	33	+ 0.1	11	6,020	s.w.	28	n. se.	13
Portland, Me.	103	81	117	29.94	30.02	-.03	57.4	+ 1.6	57.1	+ 1.1	58.0	+ 3.0	88	+ 5.5	53	+ 5.5	32	+ 0.3	10	5,872	s.w.	28	s. sw.	12
Northfield.	876	15	65	29.14	30.07	-.00	57.1	+ 1.1	56.4	+ 2.3	65.0	+ 1.0	81	+ 5.5	49	+ 5.5	30	+ 1.0	10	4,774	s. sw.	25	n. w.	12
Boston.	125	115	131	29.93	30.06	-.00	57.0	+ 1.0	65.0	+ 2.3	64.6	+ 1.0	81	+ 5.5	49	+ 5.5	30	+ 0.4	10	6,538	s.w.	29	n. n.	11
Nantucket.	13	48	85	30.06	30.07	-.01	65.0	+ 1.0	64.6	+ 1.7	64.6	+ 1.0	81	+ 5.5	49	+ 5.5	30	+ 1.2	11	9,038	s. sw.	47	n. e.	10
Block Island.	26	11	70	30.04	30.07	-.00	64.6	+ 1.0	64.6	+ 1.7	64.6	+ 1.0	81	+ 5.5	49	+ 5.5	30	+ 1.2	11	9,659	s. sw.	47	n. e.	10
Narragansett.	10																							
New Haven.	106	117	140	29.96	30.07	-.01	64.3	+ 0.8	64.2	+ 1.2	64.2	+ 0.8	87	+ 5.5	41	+ 5.5	30	+ 0.1	10	5,143	s. sw.	34	s. sw.	19
Mid. Atlan. States.																								
Albany.	97	84	118	29.97	30.08	+.02	65.0	+ 1.9	91	+ 0.7	86	+ 2.5	82	+ 5.5	41	+ 5.5	30	+ 0.5	10	4,272	s. e.	32	n. w.	8
Binghamton.	875	79	90	29.74	30.07	-.01	68.4	+ 2.5	87	+ 2.5	75	+ 2.5	82	+ 5.5	41	+ 5.5	30	+ 0.2	9	8,477	e. e.	26	w. w.	12
New York.	814	108	320	29.74	30.07	-.01	68.4	+ 2.5	66.4	+ 2.0	87	+ 2.5	75	+ 2.5	82	+ 5.5	41	+ 1.0	10	12,102	n. nw.	40	w. w.	17
Harrisburg.	874	94	104																					
Philadelphia.	117	168	184	29.96	30.08	-.01	69.5	+ 2.4	90	+ 2.8	78	+ 2.5	86	+ 5.5	41	+ 5.5	30	+ 1.2	10	3,536	n. nw.	24	w. w.	16
Scranton.	808	111	119	29.24	30.09	+.02	68.2	+ 1.5	85	+ 2.5	74	+ 2.5	82	+ 5.5	41	+ 5.5	30	+ 0.4	10	6,042	n. n.	28	w. w.	13
Atlantic City.	52	68	76	30.02	30.07	+.01	68.2	+ 1.5	84	+ 2.5	74	+ 2.5	82	+ 5.5	41	+ 5.5	30	+ 1.2	10	4,035	n. ne.	24	s. sw.	16
Cape May.	17	47	51	30.07	30.08	+.02	68.6	+ 0.5	84	+ 2.5	75	+ 2.5	82	+ 5.5	41	+ 5.5	30	+ 0.7	12	5,068	n. ne.	24	s. ne.	11
Baltimore.	123	68	82	29.94	30.07	-.01	68.4	+ 0.5	82	+ 2.5	77	+ 2.5	82	+ 5.5	41	+ 5.5	30	+ 1.4	12	3,283	n. nw.	17	w. w.	13
Washington.	112	59	76	29.96	30.08	-.01	67.4	+ 0.4	82	+ 2.5	77	+ 2.5	82	+ 5.5	41	+ 5.5	30	+ 1.1	11	3,635	n. ne.	30	n. nw.	15
Cape Henry.	5	59																						
Lynchburg.	681	88	88	29.84	30.06	-.01	67.8	+ 1.2	90	+ 1.5	77	+ 2.5	82	+ 5.5	41	+ 5.5	30	+ 0.6	10	2,348	n. ne.	22	n. nw.	13
Norfolk.	91	102	111	29.97	30.07	-.00	72.8	+ 1.7	90	+ 1.5	79	+ 1.7	89	+ 5.5	41	+ 5.5	30	+ 1.2	9	6,635	n. ne.	26	n. n.	15
Richmond.	144	88	90																					
S. Atlantic States.																								
Charlotte.	778	68	76	29.25	30.05	-.01	70.2	+ 0.9	88	+ 1.5	79	+ 0.9	81	+ 5.5	41	+ 5.5	30	+ 0.1	7	4,872	n. ne.	28	n. w.	12
Hatteras.	11	17	36	30.04	30.05	+.01	75.4	+ 1.7	86	+ 1.5	79	+ 0.9	84	+ 5.5	41	+ 5.5	30	+ 0.1	8	11,031	n. ne.	43	s. s.	19
Kittyhawk.	8	12	30																					
Raleigh.	376	98	101	29.68	30.07	-.00	71.4	+ 0.9	93	+ 1.5	80	+ 0.9	80	+ 5.5	41	+ 5.5	30	+ 1.0	7	11,637	n. ne.	36	s. s.	18
Wilmington.	78	82	90	29.96	30.04	-.00	74.5	+ 0.9	92	+ 1.5	82	+ 0.9	85	+ 5.5	41	+ 5.5	30	+ 0.8	8	4,691	n. ne.	32	s. s.	19
Charleston.	48	14	92	29.98	30.03	-.00	77.2	+ 1.2	89	+ 1.5	82	+ 1.2	81	+ 5.5	41	+ 5.5	30	+ 0.4	8	8,130	s. ne.	43	s. ne.	27
Columbia.	851	114	122	29.67	30.04	-.01	73.6	+ 1.4	92	+ 1.5	83	+ 1.4	84	+ 5.5	41	+ 5.5	30	+ 3.0	6	5,981	n. ne.	30	s. se.	16
Augusta.	180	89	108	29.84	30.03	-.01	74.4	+ 0.9	90	+ 1.5	83	+ 1.4	85	+ 5.5	41	+ 5.5	30	+ 1.1	6	4,547	n. ne.	46	s. se.	16
Savannah.	65	79	89	29.95	30.01	-.03	76.8	+ 1.0	94	+ 1.5	84	+ 1.4	85	+ 5.5	41	+ 5.5	30	+ 4.0	9	5,770	n. ne.	27	s. sw.	18
Jacksonville.	43	69	84	29.94	29.99	-.00	78.0	+ 0.4	93	+ 1.5	84	+ 1.4	85	+ 5.5	41	+ 5.5	30	+ 0.6	12	6,365	n. ne.	32	s. sw.	17
Florida Peninsula.																								
Jupiter.	28	13	55	29.92	29.94	-.02	80.6	+ 1.0	90	+ 1	86	+ 0.9	89	+ 5.5	41	+ 5.5	30	+ 0.1	16	6,641	s. se.	49	n. n.	10
Key West.	22	43	50	29.91	29.96	-.02	81.4	+ 1.1	84	+ 0.8	84	+ 0.8	88	+ 5.5	41	+ 5.5	30	+ 0.8	15	4,157	s. se.	35	s. s.	27
Tampa.	34	60	67	29.92	29.96	-.02	80.2	+ 0.8	84	+ 1.4	88	+ 0.8	88	+ 5.5	41	+ 5.5	30	+ 1.0	15	6,060	s. se.	30	s. s.	14
East Gulf States.																								
Atlanta.	1,174	190	216	28.83	30.04	-.08	70.2	+ 1.8	88	+ 2.5	82	+ 2.5	82	+ 5.5	41	+ 5.5	30	+ 3.8	7	4,872	n. ne.	28	n. w.	12
Macon.	370	93	99																					
Pensacola.	56	78	78																					
Mobile.	57	88	96	29.93	29.98	-.00	70.4	+ 0.4	92	+ 2.5	84	+ 2.5	84	+ 5.5	41	+ 5.5	30	+ 3.6	7	7,246	n. se.	36	s. s.	14
Montgomery.	223	100	112	29.88	30.01	-.01	74.8	+ 1.8	92	+ 2.5	84	+ 2.5	84	+ 5.5	41	+ 5.5	30	+ 2.1	7	9,536	n. se.	31	s. s.	16
Meridian.	875	84	98	29.73	29.99	-.01	72.2	+ 0.8	91	+ 1.5	82	+ 0.8	84	+ 5.5	41	+ 5.5	30	+ 1.5	5	8,554	n. se.	25	n. w.	12
Vicksburg.	247	65	76	29.73	29.99	-.01	74.6	+ 0.7	91	+ 1.5	84	+ 0.7	85	+ 5.5	41	+ 5.5	30	+ 1.6	5	4,394	s. se.	30	s. se.	12
New Orleans.	51	88	121	29.92	29.98	+.01	78.2	+ 0.1	92	+ 1.5	85	+ 0.1	85	+ 5.5	41	+ 5.5	30	+ 7.8	6	5,973	n. ne.	24	s. se.	18
Port Eads.	27			29.95	29.95		80.5	+ 0.7	91	+ 1.5	86	+ 0.7	86	+ 5.5	41	+ 5.5	30	+ 1.7	9	4,322	n. ne.	27	s. sw.	11
West Gulf States.																								
Shreveport.	249	77	84	29.73	29.99	-.02	74.7	+ 0.8	95	+ 1	84	+ 0.8	86	+ 5.5	41	+ 5.5	30	+ 0.6	7	4,049	s. se.	30	n. w.	17
Fort Smith.	457	97	100	29.64	30.01	-.03	79.8	+ 1.5	98	+ 0.8	88	+ 0.8	86	+ 5.5	41	+ 5.5	30	+ 2.1	8	4,464	s. se.	36	s. se.	20
Little Rock.	857	98	100	29.64	30.01	-.03	79.9	+ 0.0	98	+ 1.5	95	+ 0.8	98	+ 5.5	41	+ 5.5	30	+ 2.6	7	9,406	n. se.	36	s. se.	18
Corpus Christi.	18	48	58	29.85	29.91	-.06	79.2	+ 0.4	98	+ 1.5	95	+ 0.8	98	+ 5.5	41	+ 5.5	30	+ 2.4	15	7,541	n. se.	25	s. se.	14
Fort Worth.	670	106	114	29.25	29.94	-.05	77.4	+ 1.4	93	+ 1.2	88	+ 0.8	86	+ 5.5	41	+ 5.5	30	+ 1.6</td						

TABLE I.—*Climatological data for Weather Bureau Stations, September, 1901—Continued.*

Stations.	Elevation of instruments		Pressure, in inches.		Temperature of the air, in degrees Fahrenheit.										Precipitation, in inches.		Wind.													
	Barometer above sea level, feet.	Thermometers above ground.	Anerometer above ground.	Mean actual, S.S. m. + 8 p.m. + 2.	Mean reduced.	Departure from normal.	Mean max. + mean min. + 2.	Departure from normal.	Maximum.	Date.	Mean maximum.	Minimum.	Date.	Mean minimum.	Greatest daily range.	Mean wet thermometer.	Mean temperature of the dew point.	Mean relative humidity, per cent.	Total.	Departure from normal.	Days with 01, or more.	Total movement, miles.	Miles per hour.	Prevailing direction.	Direction.	Maximum velocity.				
<i>Upper Mis. Valley.</i>																														
Minneapolis.	99	206	20.07	29.97	- .03	.01	65.4	+ .5	90	5	69	36	18	51	29	70	3.22	0.0	12	9,012	w.	38	w.	16	7	2	15	4.4		
St. Paul.	114	124	20.07	29.97	- .03	.01	60.7	+ .1	90	5	68	36	20	51	31	52	5.04	+ 2.0	14	5,553	s.	34	n.w.	16	10	9	11	5.5		
Le Croasre.	714	70	78	29.36	30.00	- .03	60.4	+ .1	91	6	70	36	18	51	38	59	9.84	+ 5.6	8	4,699	s.	28	w.	15	16	8	11	5.7		
Davenport.	606	71	79	29.36	30.00	- .03	65.4	+ .7	93	6	75	36	18	56	33	57	5.2	2.29	0.9	8	5,189	s.	29	w.	15	16	8	11	4.9	
Des Moines.	961	24	89	29.20	30.01	+ .01	64.8	+ .7	93	6	75	36	18	54	38	55	5.3	5.3	0.6	8	5,789	s.	32	sw.	22	11	9	12	5.5	
Dubuque.	908	101	109	29.26	30.01	- .01	62.8	+ .4	91	6	78	38	18	57	34	55	51	71	3.73	0.4	12	5,173	s.e.	32	se.	22	11	6	13	5.4
Keokuk.	614	63	78	29.35	30.00	- .03	67.4	+ 1.0	95	7	78	35	18	57	34	55	58	70	2.14	1.4	6	4,988	s.e.	28	sw.	16	21	7	9	4.8
Cairo.	356	87	93	29.67	30.05	+ .03	70.9	+ 1.0	92	8	70	35	18	56	33	63	62	76	1.56	1.0	8	5,626	s.	32	n.w.	12	10	5	4	3.9
Springfield, Ill.	614	82	93	29.36	30.03	- .01	67.4	+ 1.0	94	8	70	35	18	58	35	63	68	76	1.95	1.2	8	5,615	s.	32	w.	14	15	11	12	4.8
Hannibal.	584	75	110	29.36	30.03	- .01	68.8	+ 2.1	93	7	80	36	18	55	35	61	64	64	0.64	2.5	4	4,598	s.	45	sw.	11	20	4	6	3.1
St. Louis.	567	111	210	29.43	30.03	- .00	71.8	+ 2.4	95	9	82	43	18	62	30	61	55	64	4.66	+ 2.3	7	4,974	se.	24	n.w.	12	16	10	16	4.5
<i>Missouri Valley.</i>																														
Columbia.	784	4	84	29.00	30.00	- .00	68.4	+ 0.1	98	6	88	32	18	56	41	55	60	61	1.37	2.3	7	5,321	s.	30	s.	22	14	9	14	3.7
Kansas City.	968	78	95	29.00	30.00	- .00	68.3	+ 1.3	94	7	78	38	18	59	31	59	61	64	1.34	1.6	6	6,729	s.	29	n.w.	14	16	6	13	5.4
Springfield, Mo.	1,233	100	103	28.68	30.00	- .01	69.5	+ 1.8	90	7	80	39	18	59	30	53	64	64	1.79	2.3	6	6,729	s.	29	n.w.	14	16	7	14	5.2
Topeka.	81																													
Lincoln.	1,189	75	84	28.69	29.94	- .06	65.2	+ 0.9	93	5	77	38	20	58	34	57	62	71	6.00	+ 4.1	13	7,717	se.	48	n.w.	11	13	4	4.2	5.1
Omaha.	1,105	115	121	28.79	29.94	- .06	65.4	+ 0.6	93	5	76	32	18	55	32	56	51	68	6.38	+ 3.9	13	5,493	ne.	26	sw.	24	14	8	12	5.6
Valentine.	2,508	89	10	27.23	29.91	- .09	60.9	+ 2.0	92	21	71	36	18	45	45	51	46	70	4.06	+ 3.1	8	8,113	n.w.	26	s.	24	14	7	14	4.4
Sioux City.	1,195	96	104	28.67	29.95	- .06	63.3	+ 3.9	91	5	72	30	18	52	32	52	51	65	7.98	+ 6.8	14	9,404	se.	36	n.w.	11	16	7	17	5.3
Pierre.	1,573	45	50	28.27	29.93	- .06	60.8	+ 3.4	91	8	71	26	18	49	52	51	45	65	1.20	+ 0.2	13	4,781	se.	36	n.w.	15	9	12	13	5.5
Huron.	1,306	51	57	28.56	29.95	- .04	68.6	+ 1.5	90	8	70	29	18	48	88	84	47	75	6.75	+ 5.8	9	8,931	se.	47	sw.	24	14	7	15	5.2
Yankton.	1,283	53	58																											
<i>Northern Slope.</i>																														
Hayre.	2,505	46	47	27.32	29.95	- .01	50.5	+ 4.4	89	1	80	28	19	41	46	45	41	55	2.04	+ 0.9	12	6,352	ne.	48	n.w.	15	8	18	9	5.3
Miles City.	3,371	43	50	28.48	29.90	- .08	56.3	+ 3.8	98	6	86	32	17	46	56	53	50	68	1.39	+ 0.6	6	5,432	n.w.	30	sc.	11	23	8	19	5.6
Helena.	4,110	88	98	25.78	29.97	- .02	49.6	+ 6.2	88	1	58	33	6	41	31	42	36	64	2.63	+ 1.5	15	5,228	sw.	36	ne.	1	1	7	12	5.7
Kalispell.	2,965	45	51	28.90	29.99	+ .03	49.1	+ 0.9	83	5	59	30	20	38	35	43	39	74	1.81	+ 0.7	13	8,744	w.	23	n.w.	14	7	8	12	5.4
Rapid City.	3,234	43	50	26	29.98	- .04	57.0	+ 4.4	84	2	68	37	18	46	46	41	41	64	1.30	+ 0.7	11	5,933	se.	46	w.	24	18	9	23	5.3
Cheyenne.	6,086	58	64	24.01	29.91	- .04	56.4	+ 0.2	82	1	71	30	29	43	48	43	38	51	0.75	- 0.1	6	6,906	s.	46	w.	24	18	8	23	5.2
Lander.	5,372	26	36	24.61	29.91	- .03	53.7	+ 2.1	85	2	70	28	17	37	50	43	34	54	0.18	- 0.6	8	3,118	sw.	30	ne.	24	12	13	15	5.2
North Platte.	2,821	43	52	27.05	29.95	- .03	62.2	+ 0.2	88	24	74	31	18	51	40	55	52	76	3.14	+ 1.9	7	6,706	se.	40	se.	24	12	13	15	4.8
<i>Middle Slope.</i>																														
Denver.	5,291	79	151	24.71	29.91	- .08	62.7	+ 0.8	89	2	73	33	18	47	52	48	48	51	0.50	- 0.6	2	5,501	sw.	50	n.w.	24	21	8	1	4.9
Pueblo.	4,685	80	86	25.35	29.87	- .06	64.2	+ 1.0	84	2	80	33	20	48	55	50	50	68	0.40	0.0	0	4,701	se.	50	n.s.	19	21	8	1	3.1
Concordia.	1,398	42	47	28.49	29.95	- .03	67.4	+ 0.4	92	6	78	34	20	57	37	59	54	71	2.58	+ 0.2	12	5,916	s.	31	s.	24	12	14	14	4.7
Dodge.	2,509	44	52	27.36	29.91	- .04	60.6	+ 2.0	95	22	82	35	20	57	40	58	53	66	2.54	+ 1.2	8	9,888	s.	42	se.	24	14	14	14	4.1
Wichita.	1,858	78	85	28.56	29.96	- .01	67.4	+ 0.4	93	12	84	41	20	68	57	68	68	80	0.04	+ 0.4	3	6,066	s.	28	22	14	14	9	12	5.0
Oklahoma.	1,214	54	62	28.69	29.95	- .03	73.0	+ 1.0	92	12	84	41	20	68	83	63	65	80	2.00	+ 0.2	6	7,812	se.	33	n.	16	9	12	9	5.0
<i>Southern Slope.</i>																														
Abilene.	1,738	45	54	28.14	29.92	- .06	76.4	+ 1.8	96	14	86	52	20	66	58	62	62	82	2.19	+ 0.1	6	6,147	se.	29	ne.	24	12	9	9	4.9
Amarillo.	3,076	54	61	26.24	29.92	- .05	67.7	+ 0.1	81.0	21	78	42	20	57	36	58	37	50	0.50	- 0.2	6	12,332	se.	44	sw.	24	13	11	6	4.0
<i>Southern Plateau.</i>																														
El Paso.	3,763	47	10	26.12	29.84	- .05	76.2	+ 3.1	96	16	89	55	29	68	36	59	48	46	0.82	- 0.3	5	7,017	e.	38	sw.	30	20	7	3	2.8
Santa Fe.	7,013	40	50	23.30	29.92	- .03	61.2	+ 1.8	81	12	72	38	17	54	34	47	39	40	2.00	+ 0.5	10	4,016	se.	38	sw.	8	23	2	21	2.1
Flagstaff.	6,907	13	25	25.35	29.99	- .04	56.7	+ 1.7	83	16	75	24	25	39	51	44	44	49	0.15	+ 0.8	1	5,046	sw.	27	sw.	21	8	1	19	1.9
Phoenix.	1,108	47	57	28.61	29.74	- .08	81.3	+ 1.6	105	18	98	53	25	65	44	63	50	48	0.00	+ 0.5	0	2,949	e.	17	w.	23	26	2	20	0.0
Yuma.	141	16	50	29.56	29.70	- .06	81.6	+ 1.0	93	12	65	39	24	51	34	47	53	68	0.31	+ 0.3	0	5,501	s.	48	w.	23	26	2	20	1.6
Independence.	3,910	51	58	25.87	29.74	- .11	68.0	+ 2.0	92	15	82	36	26	51	44	47	58	71	1.24	+ 0.5	10	4,966	s.	34	sw.	21	27	2	13	5.1
<i>Middle Plateau.</i>																														
Carson City.	4,730	88	92	25.20	29.89	- .02	58.4	+ 1.1	89	18	74	35	25	48	46</															

TABLE II.—Climatological record of voluntary and other cooperating observers, September, 1901.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
<i>Alabama.</i>						<i>Arizona—Cont'd.</i>						<i>California—Cont'd.</i>					
Ashville.....	89	43	69.0	Ins.	8.87	San Carlos.....	104	44	77.6	Ins.	1.98	Delta*1.....	98	48	67.0	Ins.	2.98
Benton.....						Sentinel*1.....	109	64	89.2	0.00		Drytown.....	97	44	67.5	1.05	
Bermuda.....	95	51	75.2	4.28		Showlow.....						Dunnigan*1.....	100	50	70.4	0.18	
Birmingham.....	91	42	72.2	5.59		Signal.....	111	43	77.2	T.		Durham*5.....	98	49	69.9	1.19	
Bridgeport.....						Silverking.....	88	30	60.8	0.15		East Brother L. H.					0.45
Burkville.....						Strawberry.....	111	50	78.6	0.00		Edmonton*1.....	91	34	56.0	4.88	
Calera.....						Supal.....						Elsinore.....	93	44	67.0	0.00	2.0
Camp Hill.....	98	49	72.9	3.46		Superstition.....						Escondido.....	98	39	67.8	0.00	
Citronelle.....	98	50	75.9	3.13		Taylor.....	89	30	62.0	0.10		Fallbrook.....	88	40	65.5	T.	
Clanton.....	87	48	70.6	2.95		Tombstone.....	98	54	74.9	1.23		Folsom City*1.....	96	53	67.8	1.06	
Cordova.....	92	50	71.8	7.40		Tonto.....	101	43	75.4	0.12		Fordyce Dam.....					8.25
Daphne.....	93	52	76.2	3.02		Truxton.....	94	41	70.0	0.00		Fort Ross.....	75	45	60.8	1.73	
Decatur.....	91	40	68.6	6.80		Tuba.....	91	40	68.9	0.00		Georgetown.....	98	41	64.7	4.50	
Demopolis.....						Tucson.....	104	49	79.6	0.28		Gilroy (near).....	99	40	64.6	0.22	
Eufaula*2.....	92	51	73.7	11.45		Vall*5.....	98	68	82.8	0.07		Grass Valley.....					3.65
Eutaw.....	94	46	74.4	2.94		Walnut Grove.....						Greenville.....	98	25	56.4	3.27	1.0
Evergreen.....	92	53	74.6	3.25		Willcox*1.....	95	54	70.5	0.30		Hanford.....	100	35	68.6	1.04	
Floaton.....	91	54	74.8	3.87		Yarnell.....						Healdsburg.....	100	30	62.5	0.91	
Florence*4.....						<i>Arkansas.</i>						Hollister.....	94	38	62.5	0.25	
Florence*5.....	98	40	70.8	6.50		Amity.....	94	41	71.6	5.54		Humboldt L. H.					4.51
Fort Deposit.....	93	50	73.6	2.60		Arkadelphia.....	98	39	74.6	3.80		Idylwild.....					0.00
Gadaden.....	93	46	72.2	4.20		Arkansas City.....						Indio*1.....	107	66	85.3	0.00	
Goodwater.....	91	48	71.0	2.67		Batesville.....	99	37	73.2	1.45		Iowa Hill*1.....	89	44	64.1	4.13	
Greensboro.....	92	45	72.2	4.02		Beebranch.....	99	38	73.4	1.55		Irvine.....	88	56	72.1	0.00	
Greenville.....						Blanchard.....	93	40	71.3	2.24		Jackson.....	88	40	62.8	3.39	
Hamilton.....	92					Brinkley.....	97	38	71.8	5.00		Jolon.....					0.05
Healing Springs.....	93	48	73.8	2.29		Camden*2.....						Kennedy Gold Mine.....	91	41	68.2	3.50	
Highland Home.....	91	50	73.4	2.83		Camden*3.....	92	44	72.8	5.20		King City.....					0.04
Letohatchee.....						Conway.....	99	41	75.0	1.86		Kono Tayee.....	89	49	67.2	0.64	
Livingston*2.....	95	44	73.0	1.10		Corning.....	98	38	70.4	0.77		Laguna Valley.....					0.00
Lock No. 4.....	94	46	71.3	5.08		Dallas.....	92	43	72.4	5.81		Lamessa.....					0.05
Madison.....	92	41	70.0	9.21		Dardanelle.....						Laporte*1.....	82	38	51.3	5.26	11.7
Maplegrove.....	93	41	68.3	4.23		Dutton.....	90	38	70.4			Las Fuentes Ranch.....					0.00
Marion.....	93	47	74.8	3.00		Fayetteville.....	97	37	70.4	0.50		Legrand.....					0.48
Mount Willing.....	94	52	73.8	2.95		Forrest City.....	95	43	72.6	5.09		Lemoncove.....	102	47	75.2	0.45	
Newbern.....	91	44	74.1	4.03		Fulton.....						Lick Observatory.....	88	30	58.8	1.08	
Newburg.....						Hardy.....	97	37	72.2	0.17		Lime Point L. H.					0.65
Notasulga.....						Heleena*2.....						Lodi.....	96	45	66.8	0.37	
Oneonta.....	88	42	68.0	4.17		Heleena*3.....	93	45	72.8	6.25		Los Gatos*5.....	92	43	63.6	0.90	
Opelika.....	89	52	72.0	3.35		Ione.....	94	34	73.6	1.07		Mammoth*1.....	105	65	86.6	0.00	
Oxanna.....	88	46	69.6	3.16		Jonesboro.....	99	45	74.8	2.00		Manzana.....	100	46	72.0	T.	
Prattville*1.....	92	51	73.0			Keeses Ferry.....	98	35	71.0	0.32		Mare Island L. H.					0.39
Pushmataha.....	92	48	72.4	2.79		Lacrosse*4.....	98	36	78.2			Merced*5.....	102	43	69.6	0.65	
Riverton.....	92	39	69.8	3.97		Lonoke.....	100	39	72.8	4.03		Mills College.....					0.65
Scottsboro.....	86	44	68.4	6.09		Lutherville.....	94	39	71.8	0.98		Milo.....					0.51
Selma.....	92	49	73.6	3.95		Malvern.....	99	40	73.4	4.08		Milton (near).....	97	46	69.6	0.91	
Talladega.....	93	46	71.9	8.66		Marianna.....	98	39	70.6	6.55		Modesto*1.....	104	51	72.8	0.05	
Tallassee.....						Marvell.....	96	41	72.1	8.87		Mohave*1.....	98	50	70.7	0.00	
Thomasville.....	94	47	75.0	2.56		Mossville.....	91	37	70.7	0.41		Mokelumne Hill*5.....					2.77
Tuscaloosa.....	94	42	72.2	3.45		Mount Nebo.....	90	40	73.2	0.35		Monterey*5.....	98	44	70.5	0.00	
Tuscumbia.....	90	44	69.9	4.83		New Gascony.....	98	40	72.8	7.81		Mountainview.....	86	53	68.8	0.63	
Tuskegee.....	95	52	74.8	2.07		Newport*5.....	100	38	72.5	2.78		Mount St. Helena.....					0.40
Union Springs.....	91	51	73.8	5.86		Newport*6.....	97	37	71.2	3.00		Napa.....	95	43	68.1	0.89	
Unioontown.....	93	44	73.6	4.30		Oregon.....	98	34	71.3	0.81		Needles.....	108	65	84.2	0.00	
Valleyhead.....	90	42	69.5	8.65		Oceola.....	94	38	70.6	2.40		Nevada City.....	85	37	59.8	3.36	
Verbena.....						Ozark.....	97	45	76.4	0.88		Newhall*1.....	94	50	67.2	0.10	
Wetumpka.....	95	51	75.1	3.72		Pinebluff.....	101	42	73.4	4.19		Niles*1.....	96	50	64.2	0.32	
Allaire Ranch.....						Pocahontas.....	98	36	70.4	1.86		North Bloomfield.....	95	38	63.2	4.51	
Arizona Canal Co. Dam.....	104	55	81.0	0.00		Pond.....	96	32	70.4	2.61		North Ontario.....	87	48	65.4	0.00	
Aztec*1.....	97	64	83.7	0.00		Prescott.....	98	44	74.2	3.76		North San Juan*1.....	92	42	58.8	3.16	
Benson*1.....	95	56	78.3	0.12		Rison.....	101	37	74.9	3.46		Oakland.....					0.00
Bisbee.....	89	54	72.6	0.91		Rosadale.....	99	45	74.6	7.68		Ogilby*5.....	110	69	91.5	0.00	
Bowie*1.....	96	62	73.8	1.00		Russellville.....	94	37	70.1	2.08		Oleta*1.....	92	40	61.9	2.84	
Buckeye.....	107	41	77.7	0.00		Silversprings.....	97	43	74.2	1.10		Orland*1.....	105	48	65.4	0.00	
Casagrande*1.....	111	65	84.2	0.00		Spielerville.....	97	40	72.4	4.35		Palermo.....	102	43	68.4	0.96	
Champlie Camp.....	110	49	81.1	0.00		Stuttgart.....	97	40	72.4	4.35		Palomar Mountain.....					0.00
Cochise*5.....	89	65	75.7	0.50		Texarkana.....	98	44	75.9	0.89		Paso Robles.....	98	36	63.0	0.04	
Congress.....	98	54	80.4	T.		Warren.....	97	40	72.4	3.89		Peachland*5.....	90	46	68.5	1.28	
Dragoon*1.....	92	59	72.4	0.84		Washington.....	91	44	72.3	3.39		Piedras Blancas L. H.					0.73
Dudleyville.....	104	48	77.3	0.12			92	48	60.2	1.80		Pineon Point L. H.					0.28
Duncan.....	99	36	71.6	3.90		Berkeley.....	92	39	68.7	0.00		Pilot Creek.....					5.42
Fort Apache.....	98	35	64.8	0.45		Bishop.....	95	39	57.2	0.40		Pine Crest.....	84	49	63.4	0.39	
Fort Defiance.....	85	25	58.5	0.35		Boca*1.....	79	30	57.2	0.40		Placerville.....	88	38	60.6	8.13	
Fort Grant.....	98	54	78.0	1.20		Bodie.....	78	15	45.9	0.20		Point Ano Nuevo L. H.					0.62
Fort Huachuca.....	93	50	78.3	0.74		Bowman.....	88	34	57.6	4.13		Point Arena L. H.					1.10
Fort Mohave.....	112	49	81.2	0.00		Branscomb.....						Point Bonita L. H.					1.24
Gilabend*1.....	106	60	85.8	0.00		Campbell.....	92	39	61.8	0.27		Point Conception L. H.					0.07
Globe.....	99	47	75.4	0.87		Cape Mendocino L. H.						Point Fermin L. H.					0.00
Inglewood*1.....	108	49	8														

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
<i>California—Cont'd.</i>																	
Roe Island L. H.	o	o	o	Ins.	Ins.	<i>Colorado—Cont'd.</i>	o	o	o	Ins.	Ins.	<i>Florida—Cont'd.</i>	o	o	o	Ins.	Ins.
Rohnerville				0.45	2.93	Montrose	75	20	50.4	0.00	91	Tallahassee	o	o	o	5.84	
Rosewood	102	35	67.6	1.41		Moraine	82	18	58.4	0.42	92	Tarpon Springs	58	75.5	7.90		
Sacramento	90	45	64.8	0.64		Pagoda	90	32	62.8	0.39	93	Titusville	66	79.4	8.10		
Salinas <sup>1</sup>	74	58	60.4	0.38		Parachute	90	23	63.2	0.18	94	Wausau	54	75.7	9.19		
San Bernardino	100	39	68.0	0.07		Perry park					95	Wewahitchka	58	76.6	5.64		
San Jacinto	27	43	68.6	0.06		Rankey	87	24	57.1	0.12		<i>Georgia.</i>					
San Jose	93	44	65.3	0.44		Kockeyard	93	33	65.6	0.48		Adairsville	88	47	69.7	4.89	
San Leandro	85	46	61.6	0.98		Rogers Mesa	89	23	63.2	0.18		Albany	94	56	75.8	5.66	
San Luis L. H.				0.35		Ruby						Alapaha	94	53	75.5	4.69	
San Mateo <sup>1</sup>	86	58	66.2	0.75		Russell	78	18	50.4	0.84		Allentown	95	52	75.0	10.54	
San Miguel <sup>1</sup>	98	45	66.1	0.00		Saguache	84	28	57.2	1.07		Americus	92	53	74.0	13.26	
Santa Barbara	82	49	61.6	0.38		Salida	88	23	58.1	0.10		Athens b.	84	50	69.6	8.30	
Santa Barbara L. H.				0.15		San Luis	81	17	55.2	0.77		Auburn	90	49	70.8	8.72	
Santa Clara				0.38		Santa Clara	80	27	56.4	0.78		Banbridge	92	55	74.6	4.43	
Santa Cruz	90	38	59.3	0.64		Sapinero						Blakely	93	55	74.7	6.66	
Santa Cruz L. H.				0.71		Seibert						Bowersville	89	45	70.2	4.87	
Santa Monica				0.00		Silt	84	29	61.8	0.19		Brent	97	51	73.2	6.68	
Santa Paula	84	45	65.2	0.71		Sugarloaf	77	27	54.8	0.50		Camak	93	52	72.7	8.88	
Santa Rosa <sup>1</sup>	93	44	61.0	1.17		Telluride	78	17	58.8	0.15		Carlton				2.76	
Shasta	105	40	72.4	2.76	1.0	Trinidad	90	37	64.6	1.23		Clayton	88	42	66.1	4.01	
Sierra Madre	84	48	66.0	0.08		T. S. Ranch	86	32	62.6	0.00		Columbus	90	56	74.6	6.36	
Sonoma				0.89		Twin Lakes						Covington	93	50	72.5	4.49	
S. E. Farallone L. H.				0.56		Villas						Dahlonega	88	46	68.4	5.88	
Stanford University	90	43	62.2	0.45		Wagon Wheel	77	9	47.6	0.53		Diamond	88	41	65.6	6.35	
Stockton	92	46	65.2	0.45		Wallet						Dublin				4.54	
Storey	100	49	70.8	0.73		Westcliffe	77	23	53.3	0.29		Eastman	99	55	76.3	8.57	
Summerdale	86	29	57.1	3.23		Whitepine						Elberton	90	53	72.1	7.51	
Susanville	87	32	56.9	0.59		Wray	91	31	63.4	2.11		Experiment	92	51	71.5	4.29	
Tehama <sup>1</sup>	100	50	72.4	0.80		<i>Connecticut.</i>						Fitzgerald	92	54	76.4	4.86	
Tejon Ranch	97	47	72.4	0.00		Bridgeport	88	40	65.1	5.71		Fleming	101	55	77.0	3.98	
Trinidad L. H.				4.51		Canton	87	34	61.4	5.76		Fort Gaines	93	52	74.4	10.08	
Truckee <sup>1</sup>	82	30	46.4	0.50	5.0	Colchester	87	36	64.2	5.47		Gainesville	88	49	69.6	4.65	
Tulare b				0.43		Falls Village						Gillespie	92	48	70.6	5.38	
Tulare c	102	44	69.5	0.42		Hartford b.	85	39	68.4	5.75		Griffin	92	51	74.4	4.61	
Ukiah	108	34	61.6	1.40		Hawleyville	87	36	62.7	5.02		Harrison	94	54	74.6	5.58	
Upper Lake	101	37	65.6	1.11		Middleton	89	36	64.1	6.57		Hawkinsville	90	56	74.6	7.87	
Upper Mattole <sup>1</sup>	88	36	57.6	5.14		New London	85	48	64.4	4.92		Hephzibah	93	55	75.2	3.66	
Vacaville <sup>1</sup>	98	49	69.0	0.40		North Grosvenor Dale	92	35	63.0	4.17		Jesup	95	57	74.4	2.96	
Ventura	75	43	61.0	0.09		Norwalk	88	38	63.6	8.09		Lost Mountain	93	48	70.4	2.83	
Visalia	101	42	68.2	0.44		Southington	83	36	64.7	6.80		Louisville	92	55	73.9	4.84	
Volcano Springs <sup>1</sup>	114	66	87.1	0.00		South Manchester						Lumpkin	95	54	74.8	9.76	
Wasco	102	44	70.8	0.35		Storrs	87	38	62.3	4.33		Marshallville	93	57	75.8	9.98	
Westpoint				4.20		Voluntown	90	32	63.2	4.91		Maury	99	57	77.2	4.41	
Wes. Satcooy				0.15		Waterbury	93	35	64.5	6.26		Milledgeville	97	54	71.8	5.50	
Wheatland	95	46	66.8	0.81		West Cornwall	86	38	62.0	4.52		Milien	97	53	75.5	2.79	
Williams <sup>1</sup>	97	50	73.4	T.		West Simsbury						Morgan	92	50	74.0	6.80	
Wilmington <sup>1</sup>	78	48	61.8	0.05		<i>Delaware.</i>						Naylor	95	58	77.2	4.12	
Wire Bridge <sup>1</sup>	95	48	68.4	2.41		Milford	94	45	68.6	2.15		Newnan	90	49	70.2	7.41	
Yerba Buena L. H.	90	38	59.6	0.70		Millsboro	91	45	68.8	2.35		Oakdale	92	50	72.8	7.85	
Yreka				0.70		Brooksville	92	69	81.2	8.87		Point Peter	92	50	72.8	7.85	
Yuba City <sup>1</sup>	95	52	75.0	1.68		Carrabelle	89	62	76.4	8.98		Poulain	95	54	75.8	3.45	
Zenla				4.02		Clermont	95	67	79.8	11.20		Putnam				9.61	
<i>Colorado.</i>						De Funik Springs	93	56	75.6	7.38		Quitman	98	58	75.7	5.54	
Amity	98	31	87.0	0.96		Deland	92	64	78.9	7.38		Ramsey	86	42	68.2	8.85	
Ashcroft				0.30		Earnestville						Resaca				8.45	
Bailey	80	23	53.2	0.84		Eustis	98	68	80.8	18.75		Rome	91	46	70.2	3.75	
Blaine	95	33	67.1	1.12		Federal Point	93	65	78.3	10.20		Statesboro	92	54	74.2	1.85	
Boulder	88	35	61.7	0.16		Flamingo	95	71	82.4	11.53		Tabbotton	94	68	72.8	5.76	
Boxelder				0.49		Fort Meade	93	64	80.8	11.90		Thomasville	94	68	77.0	5.55	
Breckenridge	71	12	45.6	0.08	0.8	Fort Pierce	92	68	79.8	6.84		Toccoa	95	68	70.0	4.49	
Buenavista				0.08		Gainesville	93	65	78.4	4.08		Union Point	95	60	70.9	5.20	
Canyon	88	34	62.7	0.43		Huntington	96	61	79.8	11.27		Valona	96	63	77.2	2.97	
Castlerock	85	27	56.6	0.50		Hypoluxo	93	70	81.3	10.68		Vidalia	96	57	76.4	2.44	
Cedaredge	87	25	60.4	0.48		Inverness	95	63	79.0	4.12		Washington	95	60	72.2	6.12	
Cheyenne Wells	90	30	64.4	1.12		Kissimmee	94	65	80.0	12.95		Waverly	95	60	77.5	7.68	
Colibrane	86	27	60.4	0.18		Lake Butler	96	61	77.6	3.37		Waycross	95	60	70.0	3.76	
Colorado Springs	83	27	58.8	2.20		Lake City	96	62	78.4	5.18		Waynesboro	96	58	74.4	2.23	
Delta	88	25	63.7	0.01		McAlpine	98	60	78.8	6.25		Westpoint	90	58	72.6	5.63	
Durango	86	25	63.7	0.01		Macalenny	97	62	78.4	7.88		Woodbury	93	48	71.2	4.18	
Fort Collins	87	29	59.1	2.25		Manatee	94	67	80.1	18.47		<i>Idaho.</i>					
Fort Morgan	89	29	59.1	2.73		Marco	96	72	83.0	8.36		Albion	88	28	57.2	1.19	
Fox				2.50		Marianna	93	56	75.2	4.67		American Falls	87	26	55.2	0.55	
Gilman				0.07		Merritt Island	91	72	81.0	9.32		Atlanta	90	25	47.8	2.19	
Glenneyre	79	26	57.4	2.36		Miami	90	68	80.9	15.30		Blackfoot	92	26	55.8	0.50	
Glenwood Springs				T.		Middleburg	94	59	76.1	12.58		Burnside	93	29	52.6	0.60	
Greeley	88	31	61.6	1.06		Myers	92	70	79.8	6.86		Chesterfield	91	11	46.0	0.39	
Grover				1.65		New Smyrna	92	64	78.7	17.55		Downey	90	19	47.2	2.22	
Gunnison	81	14	58.4	0.37		Nocatese	96	66	81.4	4.23		Forney	90	19	47.2	2.22	
Hamps.	85	27	59.4	0.52		Ocata	98	68	79.4	7.47		Garnet					

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
<i>Idaho—Cont'd.</i>						<i>Indiana—Cont'd.</i>						<i>Iowa—Cont'd.</i>					
Vernon .....	85	28	51.2	0.55	Ins.	Bluffton .....	93	30	65.1	1.18		Council Bluffs .....	95	30	65.8	5.85	
Weston .....	85	28	55.0	0.68		Butlerville .....	93	32	67.4	2.19		Cresco .....	93	32	59.2	6.40	
<i>Illinois.</i>						Cambridge City .....	90	32	63.8	1.97		Cumberland .....	.....	.....	.....	2.87	
Albion .....	95	36	68.6	1.99		Columbus .....	96	33	67.5	2.35		Danville .....	.....	.....	.....	2.47	
Aledo .....	93	35	65.8	2.36		Connersville .....	91	33	65.8	1.39		Decorah .....	92	34	60.6	7.88	
Alexander .....	94	38	67.0	1.54		Crawfordsville <sup>b</sup> .....	97	37	69.2	0.85		Delaware .....	93	32	61.7	3.77	
Antioch .....	89	30	61.4	1.97		Delphi .....	95	32	65.6	0.78		Danison .....	94	29	62.1	7.45	
Ashton .....	93	32	63.4	3.13		Edwardsville <sup>a</sup> .....	89	41	69.4	2.42		Desoto .....	93	35	64.8	2.64	
Astoria .....	93	35	65.0	2.63		Farmland .....	97	38	65.8	1.48		Dows .....	91	31	61.1	6.93	
Aurora <sup>a</sup> .....	93	31	68.5	2.34		Greencastle .....	88	36	66.8	0.56		Eldon .....	99	33	66.4	2.73	
Bloomington .....	97	32	67.1	1.87		Hammard .....	90	34	65.0	1.83		Elkader .....	97	33	62.8	4.04	
Bushnell .....	98	35	66.8	2.60		Hector .....	90	32	68.2	1.81		Emerson .....	.....	.....	.....	3.66	
Cambridge .....	92	37	64.4	2.17		Huntington .....	90	30	.....	1.70		Estherville .....	87 <sup>c</sup>	31	58.3	6.14	
Carlinville .....	97	33	68.8	0.83		Jeffersonville .....	93	41	68.6	3.08		Fonda .....	.....	.....	.....	18.62	
Centralia .....	99	33	71.0	1.50		Knightstown .....	93	34	67.0	1.62		Forest City .....	90	29	60.8	9.49	
Chemung .....	90	29	60.3	2.95		Lafayette .....	93	35	65.9	1.34		Fort Dodge .....	94	30	62.8	7.18	
Chester .....	.....	.....	1.55		Laporte .....	94	38	65.6	2.83		Galva .....	92	29	62.8	7.12		
Cisne .....	99	32	69.6	1.84		Logansport .....	91	35	65.0	0.88		Gilman .....	94	27	65.0	3.43	
Coatsburg .....	97	33	68.0	2.51		Madison <sup>a</sup> .....	91	39	68.4	1.76		Glenwood .....	93	36	59.2	5.96	
Cobden .....	98	37	71.8	0.77		Madison <sup>b</sup> .....	.....	.....	.....		Grand Meadow .....	92	32	62.4	4.79		
Danville .....	90	32	68.8	0.40		Marengo .....	93	38	66.1	2.40		Greene .....	96	29	64.4	3.53	
Decatur .....	95	33	67.2	1.27		Marion .....	93	30	66.2	1.30		Greenfield .....	92	34	64.4	2.29	
Dixon .....	96	33	64.8	2.36		Markle .....	90	30	64.6	1.10		Grinnell .....	92	34	64.6	2.53	
Dwight .....	94	31	64.7	2.05		Manzy .....	93	33	66.3	1.72		Grundy Center .....	91	31	62.4	2.97	
Effingham .....	94	33	69.0	0.40		Mount Vernon .....	96	36	71.8	0.91		Guthrie Center .....	91	30	62.8	4.17	
Equality .....	97	33	70.1	0.85		Northfield .....	90	29	64.4	0.68		Hampton .....	95	32	63.6	6.38	
Flora .....	95	33	67.8	0.84		Paoli .....	96	32	68.4	2.20		Harlan .....	92	28	64.2	8.02	
Galva .....	95	34	69.8	2.84		Prairie Creek .....	97	31	70.2	1.44		Hawkeye .....	.....	.....	.....	5.88	
Grafton .....	.....	.....	0.45		Princeton .....	93	38	67.3	2.55		Hopeville .....	94	32	64.8	2.61		
Grayville .....	99 <sup>b</sup>	68.6 <sup>a</sup>	2.40		Rensselaer .....	98	37	64.4	.....		Humboldt .....	92	34	61.8	8.24		
Greenville .....	100	30	70.4	1.17		Richmond .....	92	32	65.4	1.18		Independence .....	93	32	62.1	3.18	
Griggsville .....	98	36	68.7	8.65		Rockville .....	90	33	67.0	0.81		Indianola .....	97	33	64.9	4.58	
Halfway .....	95	36	70.2	1.64		Salem .....	97	32	68.6	2.03		Iowa City .....	101	36	65.7	2.56	
Halliday .....	97	31	70.2	0.74		Scottsburg .....	93	38	68.0	1.87		Iowa Falls .....	92	32	61.0	4.36	
Havana .....	94	34	66.4	1.61		Seymour .....	97	38	65.6	3.19		Jefferson .....	.....	.....	.....	6.12	
Henry .....	96	32	64.4	2.56		Sheibyville .....	.....	.....	1.85			Keosauqua .....	95	38	67.3	2.94	
Hillsboro .....	95	36	68.8	1.03		South Bend .....	93	39	65.2	1.43		Knoxville .....	95	36	65.8	2.43	
Joliet .....	89	34	63.6	2.55		Syracuse .....	94	30	65.0	0.77		Lacona .....	.....	.....	.....	1.90	
Kishwaukee .....	94	28	60.8	3.34		Terre Haute .....	97	35	69.7	0.42		Larchwood .....	.....	.....	.....	4.77	
Knoxville .....	95	30	62.7	2.40		Topeka .....	87	33	68.5	0.65		Larrabee .....	92	29	60.6	10.77	
Lagrange .....	90	35	63.2	3.56		Valparaiso .....	93	39	65.2	1.76		LeClaire .....	.....	.....	.....	1.75	
Laharpo .....	97	35	66.2	2.07		Veederburg .....	93	31	67.4	T.		Lemars .....	89	29	60.6	6.97	
Lanark .....	94	29	62.2	2.58		Vevay .....	92	37	68.6	2.60		Lenox .....	91	29	64.5	4.46	
La Salle .....	90	34	65.4	2.35		Vincennes .....	96	37	70.5	2.40		Logan .....	93	26	62.3	7.66	
Loamli .....	.....	.....	1.47		Washington .....	94	34	68.9	2.63		Maple Valley .....	97	32	65.5	3.27		
McLeansboro .....	96	34	69.5	0.94		Winamac .....	94	29	64.4	1.03		Maquoketa .....	97	32	65.5	2.62	
Martinton .....	95	31	61.9	1.82		Worthington .....	94	31	68.4	0.92		Marshalltown .....	95	33	64.2	3.29	
Mascoutah .....	96	32	66.7	1.80		<i>Indian Territory.</i>	.....	.....	.....			Monticello .....	95	34	68.3	2.29	
Mattoon .....	90	36	69.6	1.46		Ardmore .....	107	45	78.3	1.28		Moar .....	.....	.....	.....	2.18	
Meirose .....	96	30	68.6	0.42		Bengal .....	95	41	72.0	2.00		Mountaylor .....	96	30	65.5	3.12	
Minonk .....	93	32	64.5	1.92		Chickasha .....	98	38	74.1	0.35		Mount Pleasant .....	96	32	63.6	2.64	
Monmouth .....	98	32	64.1	3.00		Claremore .....	.....	.....	1.30			Mount Vernon <sup>b</sup> .....	98	36	65.8	2.74	
Monticello .....	96	33	66.7	1.80		Durant .....	97	43	74.7	1.54		New Hampton .....	91	32	60.9	4.98	
Morgan Park .....	.....	.....	3.68		Fairland .....	96	33	71.8	1.62		Newton .....	94	35	64.2	2.98		
Morrison .....	94	32	63.4	2.19		Hartshorne .....	98	41	74.4	2.24		Northwood .....	90	31	61.4	9.97	
Morrisonville .....	96	32	68.4	1.50		Heldton .....	99	36	75.6	T.		Odebolt .....	94	30	63.8	7.98	
Mount Carmel .....	.....	.....	2.14		Holdenville .....	94	38	78.6	1.04		Ogden .....	92	35	63.0	6.87		
Mount Pulaski .....	99	33	68.1	2.60		Marlow .....	98	40	74.6	1.05		Olin .....	90	35	62.4	2.85	
Mount Vernon .....	98	35	70.2	1.53		Muscogee .....	98	39	78.8	0.81		Onawa .....	92	28	65.6	8.39	
New Burnside .....	97	33	71.2	1.00		Pauls Valley .....	95	35	71.8	0.43		Osage .....	88	32	59.4	5.70	
Oliney .....	95	35	70.0	1.07		Roff .....	98	43	75.4	2.00		Oscella .....	95	32	63.6	2.42	
Ottawa .....	96	35	65.8	3.20		Ryan .....	98	45	77.3	0.55		Oskaloosa .....	98	34	65.0	2.29	
Palestine .....	93	35	66.6	1.88		South McAlester .....	.....	.....	4.03			Ottumwa .....	91	35	67.0	4.15	
Pana .....	96	33	68.3	1.73		Tahlequah .....	99	36	78.7	2.15		Ovid .....	97	30	66.8	2.23	
Paris .....	94	35	69.4	1.56		Tulsa .....	.....	.....	1.70			Pacific Junction .....	95	27	65.2	2.62	
Peoria <sup>a</sup> .....	93	37	66.5	2.64		Wagoner .....	101	34	74.1	0.50		Pella .....	98	34	65.5	4.45	
Peoria <sup>b</sup> .....	93	37	66.5	2.64		Webbers Falls .....	104	37	75.6	1.76		Plover .....	98	38	68.6	4.45	
Philo .....	94	30	66.2	1.19		<i>Iowa.</i>	.....	.....	.....			Primghar .....	95 <sup>b</sup>	31	61.4	13.55	
Plumhill .....	98	33	71.4	1.02		Afton .....	93	29	62.9	3.56		Redoak .....	90	34	65.6	8.79	
Rantoul .....	94	34	66.0	2.71		Albia .....	98	31	64.6	2.88		Ridgeway .....	90	33	62.4	7.06	
Raun .....	97	33	71.8	1.47		Algona .....	90	38	60.6	9.40		Rockwell City .....	91	33	62.4	7.06	
Riley .....	93	35	63.0	2.01		Alta .....	92	32	60.4	6.53		Rutherford .....	.....	.....	.....	7.77	
Robinson .....	95	34	69.0	1.37		Amana .....	93	35	63.8	1.71		Sac City .....	94	32	63.0	10.15	
Rookford .....	90	34	62.4	2.85		Ames <sup>b</sup> .....	93	35	61.6	3.45		St. Charles .....	95	34	65.1	2.85	
St. Charles .....	90	35	63.4	2.88		Atlantic .....	94	26	63.4	3.71		Scranton .....	91	33	6		

TABLE II.—Climatological record of voluntary and other cooperating observers.—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
Iowa—Cont'd.	o	o	o	Insc.	Insc.	Kentucky—Cont'd.	o	o	o	Insc.	Insc.	Maryland—Cont'd.	o	o	o	Insc.	Insc.
Woodburn.....	.....	.....	.....	2.59	.....	Irvington.....	93	36	68.0	3.38	.....	Cumberland b.....	o	o	o	Ins.	Ins.
Kansas.						Leitchfield.....	91	40	67.4	6.49		Darlington.....	88	41	65.9	8.54	8.54
Abilene.....	96	35	69.4	3.37		Loretto.....	92	34	67.2	2.87		Deerpark.....	88	29	58.2	1.76	
Achilles.....	94	30	68.4	5.67		Manchester.....	95 <sup>1</sup>	39	69.8 <sup>4</sup>	5.20		Easton.....	91	45	69.1	1.65	
Altoona.....	99	37	71.2	3.99		Marrowbone.....	88	34	68.0	3.75		Fallston.....	89	41	68.8	5.36	
Anthony.....	.....	.....	.....	0.65		Maysville.....	93	37	68.2	2.94		Frederick.....	88	43	67.3	3.36	
Atchison.....	95	35	70.2	2.59		Mount Sterling.....	86	38	65.4	3.57		Frostburg.....	88	35	62.3	2.88	
Baker.....	95	33	68.0	3.32		Owensboro.....	92	40	68.9	1.41		Grantsville.....	84	32	60.0	2.24	
Beloit.....	94	.....	.....	2.60		Owenton.....	89	39	66.8	2.72		Greatfalls.....	93	43	66.5	2.49	
Burlington.....	99	35	69.9	2.22		Paducah a.....	92	36	67.6	4.01		Greenspring Furnace.....	88	36	65.8	2.38	
Chanute.....	99	37	71.0	4.17		Paducah b.....	97	44	73.3	4.65		Hancock.....	93	35	66.0	2.88	
Colby.....	95	32	65.0	1.46		Pikeville b.....	89	43	67.8	4.15		Harney.....	.....	.....	.....	3.16	
Columbus.....	97	39	71.0	2.35		St. John.....	91	37	68.8	4.15		Jewell.....	92	46	67.4	2.72	
Coolidge.....	95	31	67.0	1.09		Scott.....	93	37	68.4	1.06		Johns Hopkins Hospital.....	92	48	68.2	2.77	
Delphos.....	96	30	70.0	2.67		Shelby City.....	92	35	65.6	3.49		Laurel.....	91	37	66.5	2.98	
Dresden.....	95	23	64.8	1.88		Shelbyville.....	93	37	67.6	4.11		Longwoods.....	.....	.....	.....	2.00	
Ellinwood.....	97	32	69.9	8.80		Vanceburg.....	83	40	62.6	3.50		McDonogh.....	90	39	65.0	3.13	
Emporia.....	93	37	68.8	4.75		Warfield.....	86	41	66.7	4.76		Mount St. Mary's Coll.....	87	43	66.8	2.11	
Englewood.....	99	32	72.4	0.23		Williamsburg.....	89	41	68.0	5.35		Newmarket.....	88	40	66.0	3.40	
Eureka.....	95	29	68.0	3.46		Louisiana.						Pocomoke.....	86	49	70.0	4.37	
Fair River.....	96	34	70.0	5.22		T. Abbeville.....	89	46	76.0	5.30		Princess Anne.....	89	45	68.0	4.38	
Farnsworth*1.....	94	37	66.8	8.04		Alexandria.....	97	46	74.4	11.09		Queenstown.....	90	45	66.6	2.61	
Fort Leavenworth.....	94	37	68.8	8.66		Amitie.....	97	43	76.3	4.09		Rockhall b.....	89	40	67.0	4.35	
Fort Scott.....	98	38	70.4	2.77		Baton Rouge.....	94	47	76.2	2.87		Sharpsburg.....	94	41	69.6	3.02	
Frankfort.....	100	30	68.4	8.70		Burnside.....	93	46	76.2	7.09		Smithsburg a.....	89	36	65.1	2.72	
Garden City.....	94	35	69.2	4.57		Calhoun.....	94	43	72.2	8.58		Smithsburg b.....	87	42	66.1	3.70	
Gove*1.....	98	40	64.1	2.85		Cameron.....	89	50	76.8	10.49		Solomons.....	91	52	71.0	2.91	
Grenola.....	97	33	70.6	1.63		Cheneyville.....	46	.....	.....	.....		Sudlersville.....	93	40	69.8	4.38	
Hanover.....	05	43	70.0	2.02		Clinton.....	91	47	75.2	2.46		Sunnyside.....	84	29	58.0	2.85	
Harrison.....	95	31	67.8	3.49		Collinst n.....	98	44	74.4	1.99		Takoma Park.....	90	42	66.0	3.57	
Hays.....	95	30	67.2	2.52		Covington.....	95	50	77.8	1.33		Taneytown.....	89	38	65.6	3.78	
Horton.....	98	34	67.8	2.95		Donaldsonville.....	98	50	77.8	3.83		Van Bibber.....	88	44	67.4	4.41	
Hoxie.....	95	29	67.0	2.20		Emille.....	91	50	75.9	1.96		Westernport.....	85	37	62.2	2.27	
Hutchinson.....	97	32	70.0	2.49		Farmerville.....	92	46	74.2	3.48		Woodstock.....	89	40	67.2	2.03	
Independence.....	100	37	73.2	1.51		Franklin.....	93	51	77.3	2.31		Massachusetts.					
Jetmore.....	98	33	71.0	2.39		Grand Coteau.....	91	47	75.7	4.34		Amherst.....	85	33	61.5	3.67	
Lakin.....	93	34	67.7	2.83		Hammond.....	95	47	77.4	2.83		Bedford.....	83	39	62.5	2.41	
Lawrence.....	92	38	69.4	3.38		Houma.....	94	52	77.0	2.34		Bluehill (summit).....	88	39	63.7	4.75	
Lebanon.....	92	31	67.6	3.50		Jennings.....	93	46	75.8	2.72		Cambridge.....	89	38	64.5	3.78	
Lebo.....	97	36	69.2	3.44		Lafayette.....	94	46	76.4	2.86		Chestnuthill.....	90	38	65.3	3.28	
Leoti.....	97	32	67.0	1.39		Lake Charles.....	93	50	77.0	4.04		Cohasset.....	.....	.....	.....	3.77	
Little River.....	95	34	70.0	2.85		Lake Providence.....	93	48	74.4	7.86		Concord.....	89	32	62.6	2.71	
Macksville.....	98	30	69.8	3.06		Lawrence.....	97	60	78.6	1.63		East Templeton*1.....	90	39	61.1	1.90	
McPherson.....	98	34	71.8	2.22		Libertyhill.....	96	44	74.0	4.99		Fall River.....	84	41	65.1	2.75	
Madison.....	98	31	68.6	4.07		Mansfield.....	94	41	73.6	7.68		Fitchburg a*1.....	86	41	61.7	1.73	
Manhattan c.....	98	32	69.0	4.49		Melville.....	95	45	76.0	4.10		Fitchburg b.....	90	34	63.5	1.68	
Medicine Lodge.....	92	38	71.4	8.14		Minden.....	98	45	75.2	3.58		Framingham.....	89	36	64.5	2.96	
Minneapolis.....	96	31	68.6	1.98		Monroe.....	97	45	74.8	2.33		Groton.....	86	30	62.0	2.11	
Moran.....	97	35	69.4	3.73		New Iberia.....	90	47	76.0	6.80		Hyannis.....	.....	.....	.....	4.23	
Mount hope*1.....	92	28	70.0	4.04		Opelousas.....	92 <sup>1</sup>	45	75.6	3.55		Jefferson.....	.....	.....	.....	2.93	
Ness City.....	98	37	71.1	2.74		Oxford.....	95	45	72.8	9.10		Lawrence.....	93	36	64.3	2.63	
Newton.....	94	33	70.0	4.24		Palmcourtville.....	91	45	75.0	3.54		Leominster.....	.....	.....	.....	2.28	
Norwich.....	95	37	71.8	3.27		Plain Dealing.....	94	41	72.8	3.70		Lowell b.....	91	35	65.7	3.28	
Oberlin.....	.....	.....	.....	5.37		Prevost.....	.....	.....	0.41			Ludlow Center.....	86	28	64.4	3.28	
Olathe.....	95	35	78.6	4.16		Rayne.....	94	44	76.9	4.56		Middleboro.....	89	32	62.9	3.70	
Osborne.....	.....	.....	.....	0.50		Reserve.....	92	52	76.7	3.04		Monson.....	85	31	62.3	4.54	
Oswego.....	99	37	73.9	3.35		Ruddock.....	94	52	76.1	1.18		New Bedford a.....	84	40	64.6	3.31	
Ottawa.....	98	33	67.7	5.21		Kuston.....	91	44	73.5	4.13		Pittsfield.....	88	32	61.8	4.50	
Phillipsburg.....	98	34	67.6	5.07		Schriever.....	95	49	76.5	2.47		Plymouth*1.....	84	45	64.1	2.77	
Pratt.....	99	32	71.0	2.16		Southern University.....	91	51	74.0	.....		Princeton.....	83	36	66.8	3.35	
Rome.....	99	31	73.2	1.47		Sugar Ex. Station.....	91	54	77.1	3.88		Provincetown.....	93	46	66.8	3.35	
Sallina.....	98	33	70.4	2.22		Sugartown.....	92	49	76.2	4.00		Somerset*1.....	88	38	67.2	3.58	
Scott.....	93	29	65.4	1.80		Venice.....	95	61	79.4	1.21		Springfield Armory.....	90	38	64.0	3.10	
Sedan.....	94	35	70.4	1.17		Wallace.....	95	62	76.7	8.46		Sterling.....	.....	.....	.....	2.90	
Seneca.....	94	31	68.0	2.19		White Sulphur Springs.....	99	45	75.9	5.33		Taunton.....	88	32	62.3	3.45	
Toronto.....	98	35	69.2	5.38		Bar Harbor.....	87	34	60.8	3.28		Webster.....	.....	.....	.....	4.43	
Tribune.....	94	35	65.4	1.28		Belfast.....	85	32	59.4	2.50		Westboro.....	89	37	64.2	3.35	
Ulysses.....	95	38	60.5	4.60		Bemis.....	80	30	55.5	1.87		Weston.....	85	36	62.7	3.20	
Viroqua.....	94	33	69.0	1.85		Calais.....	88	33	59.7	2.77		Williamstown.....	88	33	60.0	1.98	
Wakeeney (near).....	.....	.....	.....	8.43		Carmel.....	87	33	59.2	3.53		Winchendon.....	.....	.....	.....	3.65	
Wallace.....	.....	.....	.....	1.69		Cornish.....	90	31	61.1	3.06		Worcester.....	90	40	64.6	2.94	
Wamego*1.....	94	37	68.3	2.99		Fairfield.....	89	33	61.8	3.79		Michigan.					
Windfield.....	93	35	71.8	2.74		Farmington.....	90	28	59.1	2.25		Adrian.....	90	31	63.6	0.97	
Yates Center.....	95	32	67.6	4.39		Flagstaff.....	87	20	57.4	1.65		Agricultural College.....	88	31	61.7	1.67	
Kentucky.						Gardiner.....	88	33	62.0	2.08							

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
<b>Michigan—Cont'd.</b>						<b>Minnesota—Cont'd.</b>						<b>Mississippi—Cont'd.</b>					
Clinton.....	98	32	68.4	1.09	In s	Currie.....	98 <sup>b</sup>	90 <sup>b</sup>	55.8 <sup>b</sup>	In s	Thornton.....	93	44	74.6	In s	In s	
Coldwater.....	92	38	62.5	0.73		Deephaven.....	84 <sup>b</sup>	25 <sup>b</sup>	55.8 <sup>b</sup>	4.65	Tapelo.....	93	41	71.8 <sup>b</sup>	1.31		
Deerpark.....	87	36	57.2	2.20		Detroit City.....	89 <sup>b</sup>	32	60.4	7.70	Walnutgrove.....	95	48	72.8	5.23		
Detour.....	84	36	58.8	3.02		Faribault.....	92	33	60.2	5.16	Watervalley.....	96	50	76.8	1.95		
Dundee.....	83	35	68.6	1.03		Farmington.....	92	30	55.5	2.73	Waynesboro.....	102	43	74.2	....		
Eagle Harbor.....	90	35	57.0	2.59		Fergus Falls.....	86	20	55.2	4.10	Windham.....	92	45	74.5	4.63		
East Tawas.....	86	33	60.2	2.48		Glencoe.....	90	23	55.2	9.24	Woodville.....	95	44	73.0	8.55		
Eloise.....	92	35	64.4	1.05		Grand Meadow.....	92	30	52.2	2.19	Yazoo City.....	95	44	73.0	8.55		
Ewen.....	85	25	52.8	2.02		Hallow.....	90	24	52.7	1.94	<b>Missouri.</b>						
Fairview.....	86 <sup>c</sup>	34	61.8 <sup>c</sup>	1.14		Hovland.....	90	33	58.2	8.01	Appleton City.....	100	38	69.4	7.31		
Fennville.....	90	38	68.2	2.37		Jake Jennie.....	92	33	58.2	T.	Arthur.....	95	35	67.5	4.05		
Fitchburg.....	90	29	62.4	1.98		Lake Winnibigoshish.....	87	32	55.2	1.75	Avalon.....	98	33	69.5	1.93		
Flint.....	91	33	62.4	1.75		Leech.....	87	27	56.0	1.74	Bethany.....	97	29	65.4	4.42		
Frankfort.....	75	25	50.0	0.34		Long Prairie.....	90	28	57.5	1.87	Birchtree.....	94	33	69.4	0.92		
Gaylord.....	88	32	56.2	4.90		Luverne.....	87	33	58.5	5.53	Boonville.....	95	33	69.4	3.54		
Grand Marais.....	87	32	58.4	2.05		Lynd.....	90	32	58.0	4.11	Brunswick.....	98	37	67.4	2.04		
Grand Rapids.....	91	36	63.2	8.40		Mapleplain.....	91	34	59.1	5.34	Conception.....	91	33	67.4	1.85 <sup>b</sup>		
Grape.....	91	34	57.6	0.78		Milaca.....	87	27	56.4	3.81	Cook Station.....	103	30	68.5	0.11		
Grayling.....	91	34	57.6	2.30		Milan.....	89 <sup>b</sup>	30 <sup>b</sup>	55.6 <sup>b</sup>	5.56	Dean.....	97	31	70.6	8.55		
Hanover.....	93	29	64.1	1.00		Minneapolis <sup>b</sup> .....	89 <sup>b</sup>	34	58.6	4.08	DeWitt.....	99	31	70.5	2.51		
Harbor Beach.....	88	25	61.6	1.39		Montevideo.....	91	32	58.5	5.39	Downing.....	94	33	69.4	2.90		
Harrison.....	88	36	59.3	1.88		Morris.....	86	35	58.0	3.57	Edgellhill <sup>a</sup> .....	94	34	68.0	1.32		
Harrisville.....	93	33	59.8	3.19		Mount Iron.....	88	24	53.5	3.06	Edwards <sup>a</sup> .....	94	23	67.0	2.11		
Hart.....	89	34	58.4	2.67	T.	Newfolden.....	86	25	52.2	2.66	Eightmile <sup>a</sup> .....	97	33	69.0	4.51		
Hastings.....	93	26	61.7	1.28		New London.....	94	32	59.0	3.33	Elidon.....	97	35	67.0	1.09		
Haye.....	88	34	61.0	1.18		New Richland <sup>a</sup> .....	94	38	59.8	....	Fairport.....	98	35	68.5	1.56		
Highland Station.....	.....	.....	.....	2.09		New Ulm.....	91	34	58.5	5.85	Fayette.....	98	34	68.4	3.28		
Hilldale.....	90	29	68.8	0.98		Park Rapids.....	87	21	58.4	1.24	Fulton.....	98	34	68.4	1.75		
Humboldt.....	85	20	51.7	4.33		Pine River.....	87	28	55.6	1.81	Galena.....	98	34	68.0	5.01		
Ionia.....	91	30	63.4	1.00		Pipestone.....	85	31	57.4	4.59	Gallatin <sup>a</sup> .....	91	36	69.1	2.60		
Iron Mountain <sup>a</sup> .....	77	30	54.4	1.80		Pleasant Mounds.....	90	33	60.6	6.56	Gayoso.....	96	36	69.0	1.20		
Ironwood.....	85	34	56.1	4.47		Pokegama Falls.....	88	20	53.8	1.81	Glasgow.....	96	36	69.0	2.20		
Ispheming.....	88	26	55.0	2.92	T.	Reeds.....	91	33	61.5	5.86	Horwitz.....	98	38	67.8	3.96		
Ivan.....	87	33	57.2	3.61		Redwing <sup>a</sup> .....	91	33	59.6	....	Hazlehurst.....	95	33	69.4	2.03		
Jackson.....	93	33	61.4	1.19		Reeding <sup>a</sup> .....	91	33	59.6	....	Hermann.....	98	31	70.0	1.07		
Jeido.....	93	35	68.6	1.87		Warroad.....	87 <sup>b</sup>	26 <sup>b</sup>	52.9 <sup>b</sup>	2.56	Houston.....	97	31	70.0	3.47		
Kalamazoo.....	91	47	64.2	0.06		Willmar.....	88	32	56.2 <sup>b</sup>	4.53	Irena.....	98	37	68.4	1.26		
Lake City.....	88	36	57.2	....	Willow River.....	88	25	57.0	2.21	Ironon.....	99	31	68.6	1.05			
Lanning.....	89	33	62.3	1.88		Winnebago City.....	92	31	59.2	7.17	Jackson.....	98	33	70.4	0.95		
Lapeer.....	90	34	61.6	1.74		Worthington.....	86	33	57.8	6.84	Jefferson City.....	98	31	67.0	8.50		
Lincoln.....	89	33	59.8	2.44		Wyoming.....	95 <sup>b</sup>	29	60.3	6.17	Kidder.....	94	31	67.0	8.50		
Ludington.....	87	28	57.6	1.16		Zumbrota <sup>a</sup> .....	95 <sup>b</sup>	29	60.3	....	Koshkonong.....	98	39	69.2	0.20		
Mackinac Island.....	83	34	57.5	2.53		<b>Mississippi.</b>				Lamar.....	98	38	71.1	4.90			
Mackinaw.....	87	41	61.6	3.98		Aberdeen.....	91	36	69.6	2.95	LeConte.....	98	34	68.6	2.85		
Madison.....	89	33	68.8	0.89		Agricultural College.....	94	43	72.8	2.35	Lebanon.....	99	33	69.1	2.68		
Mancelona.....	88	35	59.3	5.90		Austin.....	91	40	71.2	9.73	Lexington.....	98	34	68.6	1.75		
Manistee.....	87	40 <sup>c</sup>	60.0 <sup>c</sup>	3.18		Batesville.....	91	34	55.7	0.51	Liberty.....	98	34	68.6	1.75		
Manistique.....	83	38	56.7	2.41		Bay St. Louis.....	91	33	59.8	4.79	McCune <sup>a</sup> .....	98	38	69.4	0.55		
Menominee.....	88	30	58.6	2.17		Biloxi.....	92	34	77.8	4.17	Macon.....	97	34	68.6	2.65		
Midland.....	90	32	62.6	0.92		Booneville.....	88	44	70.4	4.27	Marblehill <sup>a</sup> .....	96	30	69.0	1.40		
Mio.....	87	31	58.4	3.07		Brookhaven.....	96	44	74.8	3.85	Marshall.....	97	34	68.7	1.59		
Mount Pleasant.....	90	29	62.0	2.90		Canton.....	95	42	72.5	4.53	Maryville.....	97	30	64.4	8.76		
Muskegon.....	86	36	62.2	4.37		Cleveland.....	96	41	72.5	5.00	Mexico.....	100	34	70.6	0.68		
Newberry.....	88	34	61.8	1.80		Columbus <sup>a</sup> .....	91	41	72.5	2.61	Miami <sup>a</sup> .....	94	36	69.0	1.05		
North Marshall.....	90	30	61.9	1.00		Columbus b.....	91	44	71.8	6.76	Mineralspring.....	97	36	70.6	1.08		
Old Mission.....	88	41	59.7	3.86		Corinth.....	92	41	70.7	6.76	Monroe City.....	93	33	69.4	2.18		
Olivet.....	87	33	61.6	1.25		Crystalsprings.....	98	48	74.0	2.16	Montreal.....	99	30	68.4	1.37		
Omer.....	87	28	59.0	1.49		Edwards.....	95	47	72.8	3.84	Mountain Grove.....	94	37	69.0	0.73		
Onaway.....	88	30	58.6	4.10		Fayette.....	92	45	73.8	3.25	Mount Vernon.....	100	35	72.7	1.07		
Ontonagon.....	87	34	55.4	8.49		Fayette (near) <sup>a</sup> .....	91	51	75.6	8.39	Neosho.....	94	34	69.3	4.41		
Ovid.....	89	31	62.2	1.23		Greenville.....	88	45	74.6	4.59	Nevada.....	98	34	68.6	3.54		
Owosso.....	92	33	63.8	0.80		Greenville b.....	94	45	74.1	4.75	New Haven.....	97	35	70.4	0.76		
Petoskey.....	87 <sup>c</sup>	42 <sup>c</sup>	61.9 <sup>c</sup>	1.40		Hattiesburg.....	96	49	75.9	2.15	New Madrid b.....	98	34	69.4	2.98		
Plymouth.....	92	30	68.3	1.70		Hazlehurst.....	95	53	76.0	1.19	New Palestine.....	97	40	73.9	2.05		
Port Austin.....	88	31	61.1	0.66		Hernando.....	92	43	71.8	4.50	Oakfield.....	97	34	71.4	0.72		
Reed City.....	90	33	63.2	2.15		Holly Springs.....	90	42	71.0	8.85	Olden.....	98	37	70.6	0.96		
Saginaw.....	92	33	62.8	0.76		Indianola.....	90	43	71.8	4.82	Oregon a.....	98	35	67.6	2.85		
St. Ignace.....	88	33	56.6	4.20		Jackson.....	95	46	75.0	1.79	Palmyra <sup>a</sup> .....	98	36	67.8	2.80		
St. Johns.....	91	35	63.4	1.16		Lake.....	92	43	71.8	4.00	Phillipsburg <sup>a</sup> .....	96	36	67.6	2.11		
St. Joseph.....	88	43	63.2	2.86		Leakesville.....	98	49	77.0	2.45	Pine Hill.....	98	36	67.6	0.99		
Somersett <sup>a</sup> .....	90	30	68.0	0.79		Hollyville.....	91	42	72.2	3.79	Poplarbluff.....	99	34	70.4	1.28		
South Haven.....	88	39	62.0	2.08		Holy Springs.....	90	42	71.0	8.85	Potosi.....	98	37	67.6	0.74		
Thomaston.....	86	26	53.6	2.03		Indianola.....	90	43	71.8	4.82	Princeton.....	98	33	67.6	4.08		
Thornville.....	86	36	62.2	2.08		Jackson.....	95	46	75.0	1.79	Richmond.....</td						

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
<b>Montana.</b>																	
Adel	75	18	49.8	3.51	4.0	<i>Nebraska</i> —Cont'd.	90	28	60.8	10.07	<i>In.</i>	<i>Nevada</i> —Cont'd.	90	21	55.9	0.10	<i>In.</i>
Augusta	80	26	46.0	4.30	7.0	Hartington	91	29	64.4	4.80	T.	Fenelon <sup>*1</sup>	82	31	55.5	0.10	1.0
Billings	97	30	58.2	1.86	Harvard	93	30	64.4	6.87	<i>Golconda</i> <sup>*1</sup>	84	43	68.6	0.00			
Boulder	82	24	47.8	1.86	Hastings <sup>*1</sup>	90	32	64.4	3.42	Halleck <sup>*1</sup>	90	34	55.2	0.25			
Butte	77	24	45.8	0.90	Hayes Center	85	25	57.7	0.85	Hamilton	73	20	46.4	1.20			
Canyon Ferry	89	30	52.5	2.63	Hay Springs	95	30	66.0	2.74	Hawthorne	82	38	64.3	0.00	12.0		
Chester	89	21	51.0	1.11	Hebron	95	30	66.0	3.11	Hot Springs <sup>*1</sup>	90	52	72.2	T.			
Columbia Falls	85	27	49.1	3.68	Hickman	90	30	66.0	3.29	Humboldt <sup>*1</sup>	83	40	65.1	0.40	4.0		
Corvallis	89	28	51.1	2.00	Holbrook	90	31	63.4	4.21	Lee	85	32	58.4	0.60			
Culbertson	99	28	53.0	1.98	Holdrege	89	28	62.2	6.77	Lewers Ranch	85	32	58.4	1.38	0.3		
Deer Lodge	97	21	51.9	3.00	Hooper <sup>*1</sup>	89	28	62.2	6.77	Lovelock <sup>a</sup> <sup>*1</sup>	90	30	59.2	0.13			
Dell	81	23	47.2	1.30	Imperial	90	33	62.4	1.83	Martins	88	29	59.4	0.29			
Dillon	80	27	50.6	4.77	Johnstown	91	31	63.6	6.32	Mill City <sup>*1</sup>	90	35	59.6	0.40			
Ekalaka	95	22	55.4	1.64	Kearney	91	31	63.6	6.32	Owyhee	85	24	53.0	0.24	T.		
Fort Benton	82	30	50.0	1.68	Kennedy	91	32	63.0	6.99	Palisade <sup>*1</sup>	83	20	58.2	T.			
Fort Logan	88	24	47.3	2.43	Kimball	90	32	58.6	1.38	Palmetto	86	23	56.7	0.08			
Glasgow	90	24	53.6	2.13	Kirkwood <sup>*1</sup>	90	34	58.6	6.68	Potts	88	38	56.0	0.75	5.0		
Glenwood	88	25	49.7	1.76	Laclede	92	28	63.6	7.50	Reno State University	86	33	58.0	0.09			
Greatfalls	89	30	51.8	1.89	Lexington	90	29	61.4	5.64	Sodaville	94	31	64.6	0.00			
Glendive	103	24	53.7	2.24	Lodgepole	87	29	60.1	1.25	Teocoma <sup>*1</sup>	95	45	65.3	T.			
Kipp	75	21	43.9	1.98	Loup	95	20	61.3	4.86	Toano <sup>*5</sup>	80	40	63.2	0.07			
Lewistown	89	25	49.4	1.20	Lynch	85	20	61.3	6.07	Tybo	85	31	59.4	0.15			
Livingston	94	28	53.8	2.10	McCook	85	20	61.3	4.53	Verdi <sup>*5</sup>	74	33	53.4	0.10			
Manhattan	87	22	51.1	0.63	McCool	88	28	62.3	5.71	Wadsworth <sup>*1</sup>	95	45	70.1	0.00			
Martinsdale	89	24	47.8	2.40	Madison	88	28	62.3	5.71	Wells <sup>*1</sup>	80	40	56.6	T.			
Marysville	80	28	45.2	2.97	Madrid	85	28	62.3	1.07	<i>New Hampshire</i> .							
Missoula <sup>1</sup>	74	31	51.3	0.55	Marquette	85	28	62.3	5.89	Alstead	85	30	60.0	3.34			
Odando	86	19	45.8	1.82	Mason City	85	28	62.3	5.59	Berlin Mills	90	24	58.5	2.08			
Parrot	87	28	51.3	1.84	Minden <sup>a</sup>	91	30	64.0	7.67	Bethlehem	82	30	57.4	2.70			
Plains	78	29	50.3	1.92	Monroe	85	28	62.3	6.89	Brookline <sup>*1</sup>	93	30	61.8	2.50			
Poplar	97	26	51.9	2.69	Nebraska City <sup>b</sup> <sup>*1</sup>	92	38	66.4	4.10	Concord	87	27	60.6	3.06			
Ridgeland	101	22	52.6	2.97	Nebraska City <sup>c</sup>	94 <sup>a</sup>	30	65.2	5.08	Durham	89	38	62.6	3.88			
St. Pauls	85	23	49.2	2.73	Nemaha <sup>*1</sup>	98	34	68.0	2.10	Franklin Falls	84	31	60.4	3.27			
Troy	77	30	51.8	2.76	Nesbit	88	25	59.4	8.11	Grafton	89	23	57.8	4.26			
Twin Bridges	73 <sup>c</sup>	23 <sup>c</sup>	47.3 <sup>c</sup>	0.5	Norfolk	90	24	61.2	8.52	Hanover	91	28	60.0	3.53			
Utica	98	26	50.9	2.42	North Loup	94	25	63.5	5.84	Keene	90	27	59.8	3.81			
Yale	85	15	47.3	1.61	O'Neill	93	23	61.3	2.38	Littleton	86	28	57.5	1.73			
<b>Nebraska.</b>					Ord	93	23	61.3	7.61	Nashua	92	30	63.5	2.03			
Agate	92	30	53.3	0.70	Osgood	85	28	61.3	5.93	Newton	89	29	61.6	4.06			
Agee <sup>*1</sup>	92	30	53.3	5.75	Ouge	85	28	61.3	6.56	Peterboro	89	25	59.8	2.36			
Albion	88	27	52.8	7.28	Palmer	85	28	61.3	1.84	Plymouth	88	26	59.2	3.43			
Alliance	89	31	60.0	0.70	Palmyra <sup>*1</sup>	94	32	64.7	3.73	Sanbornton	89	29	59.7	3.17			
Alma	94	32	67.5	4.20	Pleasant Hill	85	28	61.3	3.92	Stratford	91	26	57.8	3.74			
Ansley	89	21	59.8	4.10	Ravenna <sup>a</sup>	91	28	64.0	6.76	<i>New Jersey.</i>							
Arapahoe <sup>1</sup>	90	33	63.6	8.33	Ravenna <sup>b</sup>	91	28	64.0	7.28	Asbury Park	84	48	68.4	4.47			
Arborville <sup>*1</sup>	92	32	63.2	7.02	Redcloud <sup>b</sup>	96	30	66.0	4.28	Bayonne	90	43	68.6	1.99			
Arcadia					Republican <sup>*1</sup>	90	36	63.2	6.74	Belvidere	91	37	66.5	2.66			
Arlington					Rulo	85	28	61.3	2.31	Bergen Point	88	45	66.9	3.17			
Ashland <sup>a</sup>	96	29	66.0	5.29	St. Libery	91	27	64.4	5.93	Beverly	93	43	68.4	3.73			
Ashton					St. Paul	91	27	64.4	5.71	Blairstown	92	33	65.2	5.08			
Auburn	96	27	66.3	2.29	Salem <sup>*1</sup>	91	28	67.9	2.81	Bridgeton	83	42	69.4	4.70			
Aurora	98	30	64.2	7.28	Santee	93	28	68.6	7.04	Camden	85	45	68.3	4.94			
Bartley					Schuyler	85	28	68.6	5.51	Cape May C. H.	83	42	68.7	3.75			
Beatrice	95	28	67.0	1.75	Senecca <sup>*1</sup>	86	29	55.1	1.16	Charlotteburg	84	29	62.2	3.94			
Beaver	95	31	65.3	3.57	Seward	93	29	63.0	4.88	Chester	89	39	64.1	3.37			
Bellevue					Smithfield	85	28	61.3	4.88	Clayton	90	41	67.8	5.58			
Benedict					Spragg	85	28	61.3	6.45	College Farm	90	41	67.6	1.86			
Benkelman					Springview	86	21	58.9	5.21	Dover	88	38	63.2	4.02			
Blair	93	30	63.5	7.41	Stanton	89	27	62.4	5.31	Egg Harbor City	87	41	66.8	6.20			
Bluehill <sup>*1</sup>	90	32	65.3	4.58	State Farm	97	29	66.4	6.36	Elizabeth	89	43	67.0	2.67			
Bradshaw					Strang	85	28	61.3	3.87	Flemington	92	40	67.4	3.65			
Brokenbow	91	25	61.9	4.83	Stratton	93	25	61.0	8.05	Freehold	87	41	65.8	3.29			
Burohard					Superior	93	30	61.8	1.95	Friesburg	90	39	67.8	3.01			
Burwell					Syracuse	85	28	61.3	3.25	Hanover	86	32	61.0	2.30			
Callaway	90	27	61.6	6.65	Tablerock	85	28	61.3	2.85	Hightstown	88	43	67.2	3.76			
Camp Clarke	85	29	60.4	2.70	Tecumseh <sup>b</sup>	95	25	65.9	1.15	Imlaytown	90	43	68.6	3.80			
Central City					Tecumseh <sup>c</sup>	95	25	65.9	1.60	Indian Mills	94	40	65.6	4.92			
Chester					Tekamah	94	31	64.0	10.16	Lakewood	89	42	66.4	3.11			
Columbus	89	25	63.2	6.03	Turlington	93	29	66.0	2.51	Lambertville	91	38	68.3	3.60			
Crete	93	30	66.6	4.82	Wakefield	90	25	61.0	8.60	Layton	90	39	63.4	3.68			
Cuiberton					Wallace	85	28	61.3	2.45	Moorestown	90	43	67.8	3.21			
Curtis	91 <sup>c</sup>	31 <sup>c</sup>	63.9 <sup>c</sup>	4.44	Waunets	85	28	61.3	2.30	Mount Pleasant	85	41	66.2	3.60			
Dannebrog					Weeping Water	85	28	61.3	5.22	Newark	90	41	66.2	1.63			
David City	90	28	63.0	5.20	Westpoint	96	30	64.6	4.85	New Brunswick	91	43	68.2	2.28			
Dawson	95	31	68.2	2.31	Whitman	94	32	59.9	1.50	New Egypt	85	42	65.4	2.51			
Eden					Wilber <sup>*1</sup>	94	36	66.3	2.50	Newton	91	31	64.8	4.95			
Edgar <sup>a</sup> <sup>*5</sup>	92	38	66.6	8.12	Willard	85	28	61.3	2.98	Oceanic	88	43	66.6	3.28			
Ericson					Wilsonville	85	28	61.3	2.92	Pateroson	90	42	67.0	2.48			
Ewing					Winnebago	85	28	61.3	5.88	Perth Amboy	88	45	67.3	5.46			
Fairbury	97	29	64.8	2.87	Wisner	85	28	61.3	7.22	Plainfield	90	40	66.6	3.47			
Fairmont	98	29	63.1	5.08	Wymore	85	28	61.3	2.17	Rancocas	88	37	64.6	2.02			
Fort Robinson	86	26	58.0	1.44	York	93	28	64.7	8.19								

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		
	Maximum.	Minimum.	Mean.			Rain and melted snow.	Total depth of snow.	Maximum.			Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		
<i>New Mexico—Cont'd.</i>					<i>New York—Cont'd.</i>					<i>North Carolina—Cont'd.</i>						
Albert	91	41	68.4	1.88	Middleton	84	39	64.0	4.52	Soapstone Mount	91	43	67.4	4.49		
Albuquerque	90	42	66.8	1.31	Mohonk Lake	89	36	60.6	3.81	Southern Pines a	98	48	74.0	9.58		
Alma	92	37	66.6	1.75	Moira	87	38	61.2	5.32	Southern Pines b	93	50	72.2	9.30		
Aztec	90	26	64.0	0.14	Newark Valley	84	27	57.2	3.60	Southport	90	58	76.2	4.87		
Bell ranch					New Lisbon	84	36	60.9	8.30	Tarboro	95°	50°	74.5°	8.24		
Bluewater	86	26	60.9	0.55	North Hammond	84	36	58.6	5.85	Waynesville	82	33	61.8	2.31		
Cambray					Number Four	87	38	61.0	2.94	Weldon a	90	51	70.4	6.92		
Carlsbad	100				Ogdensburg	86	36	61.0		Weldon b				6.86		
Deming					Old Chatham					<i>North Dakota.</i>						
East Las Vegas	76	43	60.2	2.00	Oneonta	89	39	60.5	3.34	Amenia	92	21	55.6	1.81		
Engle	92	44	70.6	T.	Oxford	84	28	59.2	3.61	Ashley	90	15	52.9	0.08	T.	
Folsom	79	32	60.0	8.80	Palermo	85	34	61.1	2.95	Berlin	92	18	58.4	1.37	T.	
Fort Bayard	90	45	68.0	1.00	Penn Yan	87 <sup>b</sup>	36 <sup>b</sup>	63.6 <sup>b</sup>	2.09	Buxton	86	23	58.8	1.50	T.	
Fort Stanton	84 <sup>d</sup>	38 <sup>d</sup>	61.1 <sup>d</sup>	2.00	Plattsburgh Barracks	87	32	61.0	3.80	Cando	91°	16°	50.4°	1.87		
Fort Union	84	33	60.0	2.10	Port Byron	83	35	61.7	2.87	Churchs Ferry	92	20	51.8	1.71		
Fort Wingate	90	35	65.0	0.21	Port Jervis	90	32	64.4	5.52	Coalharbor	92	21	52.5	2.00	T.	
Gage					Primrose	89	40	64.9	3.01	Devils Lake	89	23	58.6	2.55		
Galisteo	89	39	62.2	2.60	Redhook					Dickinson	98	20	54.4	0.88	T.	
Gallinas Spring	89	44	64.8	1.52	Richmondville	88	31	61.0	3.24	Dunseth	89	12	50.2	2.28		
Horse Springs	86	34	62.4	0.35	Ridgeway	86	39	63.5	3.22	Edgeley	93	22	56.2	1.41		
Las Vegas	85	31	60.8	2.38	Rome	83	35	58.2	4.62	Ellendale	92	22	56.7	1.70		
Las Vegas Hotsprings	88	36	60.4	2.94	Romulus	87	37	62.8	2.46	Falconer	94	23	54.4	1.81		
Lordsburg					Salsbury Mills					Fargo	92	23	54.8	2.57		
Los Lunas	94	38	66.8	3.60	Saranac Lake (near)	86	24	57.2	3.55	Forman	93	24	56.1	5.66		
Lower Penasco	89	41	67.7	3.90	Saratoga Springs	91	36	62.9	4.39	Fort Berthold	99	24	54.8	1.43	T.	
Mesilla Park	100	43	73.2	1.25	Schenectady	93	33	66.6	4.21	Fort Yates	94	20	56.8	0.54		
Olio	89	28	60.2	T.	Scottsville					Fullerton	91	23	54.6	1.86	T.	
Raton	85	34	60.2	0.50	Setauket					Gallatin	85	12	51.3	0.84		
Roswell	97	40	70.2	1.99	Shortsville	84	37	63.7	2.35	Grafton	89	26	58.2	0.92		
San Marcial	100	45	78.1	0.10	Skaneateles					Hamilton	98 <sup>c</sup>	25 <sup>c</sup>	51.2 <sup>c</sup>	1.96		
Socorro	93	45	72.0	2.35	Southampton	83	41	65.3	4.10	Hannaford	90	20	53.4	1.32		
Springer	90	28	62.3	0.59	South Berlin					Jamestown	89	22	52.7	2.27		
Strauss					South Canisteo	88	32	59.7	3.24	Langdon	87	20	50.4	2.31		
Woodbury	89	39	65.2	0.84	Southeast Reservoir					Larimore	91	19	50.4	1.04		
<i>New York.</i>					South Kortright	86	28	60.0	4.25	Lisbon	95	23	55.4	3.32		
Adams					South Schroon	85	28	57.5	4.07	McKinney	95	21	49.6	3.31	T.	
Addison	88	34	62.0	2.55	Straits Corners <sup>d</sup>	83	30	57.2		Mayville	90	25	55.0	2.11		
Adirondack Lodge	81	28	55.1	4.17	Ticonderoga	86	34	63.0	1.94	Medora	100	24	53.4	1.15		
Akron					Volusie	88	38	61.0	6.31	Melville	90	22	58.4	0.53		
Alden	84	40	68.3	4.06	Walton	91	30	60.3	3.33	Milton	89	22	50.0	2.30	T.	
Angelica	86	30	59.4	3.11	Wappingers Falls	84	37	64.4	3.28	Minto	90 <sup>b</sup>	21	53.0 <sup>b</sup>	1.71		
Appleton	87	40	63.0	2.77	Warwick					Napoleon	94	23	58.8	0.72		
Atlanta	88	33	61.0	2.58	Watertown	82	35	62.0	3.80	New England	96	20	54.2	1.95		
Auburn	90	36	64.5	1.95	Waverly	89	32	62.2	2.59	Oakdale	92	24	51.2	1.70	T.	
Avon	86	33	61.4	2.63	Wedgewood	83	37	61.1	2.46	Pembina	90	25	51.2	2.59		
Axton	88 <sup>d</sup>	19 <sup>d</sup>	53.4 <sup>d</sup>	4.11	Wells	89	25	58.8	3.77	Power	92	23	56.4	3.01	T.	
Baldwinsville	86	37	68.3	3.82	West Berne	90	28	60.0	2.61	Steele	94	20	53.4	2.41		
Bedford a	89	40	64.8	5.41	West Chazy	86	28	60.2		University	88	25	53.2	1.55		
Blue Mountain Lake					Westfield a	81	37	63.2	4.51	Wahpeton	91	32	56.5	3.93		
Bolivar	87	29	59.4	3.77	Westfield b	82	40	62.2	4.53	Willow City	93	16	50.5	2.41		
Boucherville	88	32	60.2	2.30	Westfield c	81	43	63.8	3.79	Woodbridge	87	19	50.2	6.07	T.	
Boys Corners					Windham	86	28	60.7	3.55	Akron	85	42	63.6	4.98		
Brookport	86	38	62.9	3.39	<i>North Carolina.</i>					Annapolis	83	38	61.8	4.25		
Caldwell	85	33	60.4	3.05	Abskers	93	39	67.6	4.87	Atwater						
Canaan Four Corners	84	34	60.2	3.77	Asheville					Bangorville	87	38	64.6	4.25		
Cansoharie	84	32	61.1	2.76	Biltmore	81	36	63.2	2.53	Bellefontaine	85	38	64.0	1.98		
Canton	85	31	59.2	4.98	Bryson City					Bement				3.07		
Carmel	88	38	64.4	5.81	Chapelhill	92 <sup>b</sup>	49 <sup>b</sup>	70.6 <sup>b</sup>	4.75	Benton Ridge	89	34	65.2	1.82		
Carvers Falls	88	30	60.7	2.44	Cherryville	90	45	68.8	6.72	Bethany	93	37	68.2	2.30		
Catskill	85	36	64.0	2.60	Currituck					Bigprairie	87	36	64.0	6.91		
Cedarhill	90	31	63.4	3.36	Fayetteville	94	50	72.6	5.47	Binola				6.26		
Chenango Forks					Flatrock	84	35	68.6	7.24	Bloomingburg	92	37	66.2	1.72		
Cherry Creek					Goldsboro	92	52	72.3	6.83	Bowling Green	89	32	64.2	1.32		
Cooperstown	81	32	59.1	3.08	Greensboro	90	48	68.8	3.50	Bucyrus	92	34	65.5	1.82		
Cortland					Hendersonville	85	37	65.2	5.78	Cambridge	90	35	64.0	2.79		
Cutchogue	89	43	66.0	6.03	Henrietta	90	45	70.4	7.21	Camp Dennison	93	32	67.0	0.90		
Dekab Junction					Hightlands	75	36	58.9	4.47	Canaan				5.17		
Easton					Horse Cove	80	40	64.0	6.10	Canal Dover	87	35	68.2	4.11		
Elba	88	37	63.0	3.26	Kinston	98	50	73.7	7.57	Canton	86	38	63.7	4.12		
Elmira	86	36	63.2	2.86	Lenoir	90	40	68.8	3.88	Cardington	88	31	64.2	3.78		
Fayetteville	88	34	63.8	3.43	Linville	76	31	57.8	5.82	Cedarsville				2.73		
Franklinville	86	30	59.5	3.53	Littleton	95	46	70.5	3.75	Celina	95	29	65.0	1.96		
Fulton					Louisburg	90	48	71.1	6.94	Chillicothe	96	36	67.6	2.38		
Gabrels	82	26	50.5	3.24	Lumberton	92	54	74.0	9.38	Circleville	90	38	66.5	3.51		
Glens Falls	86	36	62.4	2.78	Marshall	88 <sup>b</sup>	38 <sup>b</sup>	64.0 <sup>b</sup>	3.82	Clarksville	92	37	67.2	1.22		
Gloversville	88	30	60.0	3.88	Mocksville	90	44	68.6	2.89	Cleveland a	80	47	63.8	7.05		
Greenwich	87	31	62.5	2.96	Moncure	90	51	70.2	5.78	Cleveland b	88	46	63.8	5.78		
Griffin Corners	88	25	59.6	4.10	Monroe	91	41	69.3	6.24	Clifton	92	35	66.0	2.70		
Haskinville					Morganston	87	40	67.4	4.10	Coalton	80	33	65.3	1.45		
Hemlock	82	38	63.1	3.34	Mountairy	88	40	66.6	3.82	Colebrook	84	34	62.2	3.99		
Honeyhead Brook	84	33	62.1	3.76	Murphy					Dayton a	95	34	66.7	2.32		
Honedaga Lake					Newbern	94	54	74.1	7.04	Defiance	94	32	64.4	1.54		
Humphrey	85	35	68.6	5.10	Patterson <sup>a</sup>	82	40	62.6	4.60	Delaware	89	35	64.6	3		

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
<i>Ohio—Cont'd.</i>																	
Greenville.....	87	88	65.1	1.61	Ins.	Perry.....	96	95	73.8	1.75	1.50	Pennsylvania—Cont'd.	0	0	0	Ins.	Ins.
Hanging Rock.....	91	89	65.9	5.30		Pearach.....	95	95	72.1	1.18		Duncannon.....	88	80	58.9	2.47	
Hedges.....	93	90	65.9	1.76		Sac and Fox Agency.....	98	92	74.2	1.22		Dushore.....	88	29	58.8	3.33	
Hillhouse.....	84	35	61.1	5.51		Shawnee.....	95	33	74.8	1.11		Dyberry.....	85	29	58.8	3.32	
Hillsboro.....	90	35	64.8	0.69		Stillwater.....	95	45	73.8	0.89		East Bloomsburg.....	90	84	64.6	2.42	
Hiram.....	84	41	63.0	4.37		Taloga.....	95	40	73.4	2.55		East Mauch Chunk.....	87	41	66.2	6.10	
Hudson.....	87	38	63.0	4.05		Vittum.....	91	40	74.0	2.77		Easton.....	87	41	66.2	2.71	
Jacksonboro.....	93	88	69.3	3.25		Wankomis.....	96	34	74.0	0.51		Ellwood Junction.....	84	35	61.2	3.11	
Killbuck.....	86	37	68.3	8.02		Weatherford.....	96	40	74.0			Emporium.....	90	39	66.9	4.05	
Lancaster.....	87	87	64.5	2.32		Woodward.....	99	37	74.6	1.65		Ephrata.....	85	34	59.5	2.88	
Lima.....				1.65		Oregon.						Forks of Neshaminy* <sup>1</sup> .....	85	46	65.0	6.41	
McConnelsville.....	90	87	64.6	1.83		Albany a* <sup>1</sup> .....	90	45	59.9	3.77		Franklin.....	88	35	62.8	5.66	
Manara.....				1.51		Albany b.....						Freeport.....				2.44	
Mansfield.....				5.60		Alpha.....	89	31	56.6	8.04		Girardville.....				4.20	
Marietta.....	88	42	66.0	1.93		Arlington.....	84	40	61.0	2.00		Grampian.....	88	34	59.7	2.95	
Marion.....	93	34	66.4	4.24		Ashland b.....	93	36	59.2	2.23		Greensboro.....				4.59	
Medina.....	90	88	64.6	3.67		Aurora* <sup>1</sup> .....	85	45	58.8	8.16		Hamburg.....				5.10	
Milfordton.....	88	34	65.8	3.19		Aurora(near).....	88	38	57.5	3.93		Hamlin.....	84	32	59.8	3.28	
Milligan.....	90	83	64.0	2.16		Bend.....	90	23	58.8	0.76		Hawthorn.....	95	36	64.8	2.21	
Millport.....	85	35	61.8	3.77		Beulah.....	85	43	62.6	1.18		Herrs Island Dam.....				2.04	
Montpelier.....	88	32	63.2	0.88		Bialock.....	85	46	57.2	2.32		Huntingdon a.....	90	36	64.3	3.15	
Moorefield.....	87	34	63.6	2.94		Brownsville* <sup>1</sup> .....	88	36	57.2	2.32		Huntingdon b.....				2.49	
Napoleon.....	92	35	65.0	0.64		Burns.....	85	36	52.4	0.07		Irwin.....				1.78	
New Alexandria.....	91	39	64.6	2.30		Cascade Locks.....	86	44	62.0	4.60		Johnstown.....	89	38	65.1	3.87	
New Berlin.....	89	37	64.2	5.06		Cloud Cap Inn.....	60	29	44.4	...		Keating.....				4.06	
New Bremen.....	93	32	66.0	1.44		Comstock.....	85	38	57.2	4.27		Kennett Square.....	89	41	66.8	4.25	
New Lexington.....				2.11		Corvallis.....	90	38	57.7	2.73		Lawrenceville.....	90	38	60.2	2.05	
New Paris.....	90	34	65.0	0.53		Dayville.....	86	32	56.6	1.54		Lebanon.....	91	37	66.2	3.65	
New Richmond.....	94	38	69.2	1.26		Ella.....						Leroy.....	85	34	61.4	3.70	
New Waterford.....	86	38	63.0	8.85		Eugene.....	84	38	58.2	4.09		Lewisburg.....	87	38	64.2	3.85	
North Lewisburg.....	90	35	64.3	2.45		Fairview.....	85	40	55.5	6.80		Lockhaven a.....	92	38	66.9	3.20	
North Royalton.....	87	40	63.8	4.55		Falls City.....	85	36	55.6	7.42		Lockhaven b.....				4.88	
Norwalk.....	89	37	64.8	2.35		Gardiner.....	87	41	57.8	5.92		Lock No. 4.....				2.70	
Oberlin.....	88	33	64.7	1.57		Glenora.....	85	33	55.7	8.73		Lycippus.....	40			3.06	
Ohio State University.....	91	36	64.4	2.89		Government Camp.....	79	33	48.2	5.70		Mifflin.....				2.80	
Orangeville.....	87	35	61.8	4.85		Grants Pass.....	95	34	59.4	8.01		Oil City.....				6.61	
Ottawa.....	93	32	65.8	1.61		Hare.....	88	44	57.4	8.58		Parker.....				4.32	
Pataksala.....	88	35	63.9	3.83		Harris.....	85	37	56.6	5.20		Philadelphia.....	91	50	69.1	6.80	
Philo.....	90	37	68.2	1.66		Heppner.....	80	33	56.0	1.68		Pottstown.....	88	46	68.2	2.16	
Plattensburg.....	93	34	65.4	2.78		Hood River (near).....	86	38	57.4	8.30		Quakertown.....	90	36	65.7	3.07	
Pomeroy.....	90	38	65.2	1.76		Huntington.....	88	35	62.1	0.51		Reading* <sup>2</sup> .....				6.68	
Portsmouth a.....				3.88		Jacksonville.....	95	35	60.0	2.45		Renoov a.....	86	38	68.5	3.48	
Portsmouth b.....	91	41	67.6	3.83		Joseph.....	79	25	48.0	1.27		Renoov b.....	86	38	68.5	3.21	
Pulse.....				0.94		Junction City* <sup>5</sup> .....	96	42	60.6	...		Saegerstown.....	84	38	61.4	6.58	
Red Lion.....				1.64		Kerby.....	96	31	57.8	4.55		St. Marys.....	84	32	59.5	3.25	
Richfield.....				4.77		Klamath Falls.....	89	33	54.6	1.63		Seilinsgrove.....	87	38	64.8	3.52	
Richwood.....	92	84	65.2	2.43		Lafayette* <sup>1</sup> .....	93	44	60.4	2.49		Shawmont.....				3.73	
Ripley.....	90	38	66.9	1.77		Lagrange.....	88	33	54.6	2.10		Shinglehouse.....				3.32	
Rittman.....	85	38	62.7	4.78		Lakeview.....	91	23	55.2	1.00		Smethport.....	85	32	59.8	5.27	
Rock.....				4.40		Loneroak.....	78	33	52.2	8.00		Somerset.....				3.83	
Rockyridge.....	90	35	65.8	1.18		McMinnville.....	88	36	57.7	4.83		South Eaton.....	84	35	62.7	2.66	
Rosewood.....	90	34	64.0	2.02		Merlin* <sup>1</sup> .....	92	33	57.7	2.17		State College.....	84	38	62.5	2.95	
Shenandoah.....	86	34	62.6	4.25		Monroe.....	86	39	58.2	4.43		Sunbury.....				1.60	
Sidney.....	93	33	65.5	2.14		Mount Angel.....	91	40	58.4	5.40		Swarthmore.....	85	44	66.1	2.25	
Sinking Spring.....	94	36	67.1	1.05		Nehalem.....						Towanda.....	85	35	61.8	3.95	
Somerset.....	90	40	66.0	2.04		Newberg.....	90	35	58.6	4.61		Troutrun.....				4.04	
Springfield.....				2.44		Newbridge.....	90	38	54.8	1.50		Uniontown.....	82	44	65.0	4.46	
Strongsville.....				5.51		Newport.....	77	41	55.0	3.40		Warren.....	83	36	61.1	3.59	
Swanton.....				1.83		Pendleton.....	95	34	60.8	1.78		Wellsboro.....	87	36	62.6	2.14	
Thurman.....	93	37	67.2	1.85		Placer.....						West Chester.....	88	43	66.9	3.99	
Tiffin.....	88	38	64.8	2.36		Prineville.....	86	31	56.5	2.42		West Newton.....				2.05	
Upper Sandusky.....	94	35	65.4	1.77		Riddles* <sup>1</sup> .....	90	40	60.3	2.26		Weyantown <sup>b</sup> .....	90	40	61.0	2.11	
Urbana.....	86	38	64.8	1.99		Riverside.....	87	23	55.1	0.88		Wilkesbarre.....	87	35	63.1	1.64	
Vauvert.....	97	33	66.2	1.74		Salem b.....	84	38	59.9	3.25		Williamsport.....	87	40	64.5	3.21	
Vermillion.....	84	41	64.4	1.48		Shaniko.....	73	35	50.2	2.23		York.....	91	35	66.6	2.96	
Vickery.....	91	35	64.8	1.06		Sheridan* <sup>1</sup> .....	88	47	59.0	3.05		Rhode Island.					
Walnut.....				2.35		Silverlake.....	92	20	52.4	1.09		Bristol.....	82	41	65.8	3.69	
Warren.....	88	38	63.5	6.82		Silverton* <sup>1</sup> .....	90	50	57.2	2.96		Kingston.....	88	37	63.6	4.05	
Warsaw.....	90	34	63.8	2.67		Siskiyou* <sup>1</sup> .....	92	40	54.6	3.03		Pawtucket.....	92	40	66.1	4.00	
Wauseon.....	96	32	65.8	1.95		Sparta.....						Providence a.....	89	42	66.5	4.17	
Waverly.....	90	37	66.6	2.00		Springfield* <sup>1</sup> .....	81	41	57.5	3.27		Providence c.....	90	40	65.1	4.27	
Waynesville.....	94	38	66.0	2.45		Stafford.....	92	40	58.0	4.73		South Carolina.					
Wellington.....	88	39	64.9	1.95		Tillamook.....						Allendale.....	94	55	76.8	2.17	
Willoughby.....				4.74		Toledo.....	92	37	57.0	3.71		Anderson.....	93	51	72.3	8.30	
Wooster.....	88	34	63.8	5.64		Umatilla.....						Barksdale.....	91	50	70.4	6.08	
Zanesville.....				1.56		Vale.....	88	25	55.0	0.84		Batesburg.....	94	59	77.8	0.44	
Oklahoma.						Weston.....	80	31	54.0	2.93		Beaufort.....	97	52	75.7	2.82	
Arapaho.....	91	36	73.9	0.													

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
<i>South Carolina—Cont'd.</i>						<i>Tennessee—Cont'd.</i>						<i>Texas—Cont'd.</i>					
Little Mountain.....	94	50	73.0	4.35		Florence.....	87	41	68.0	2.93		Laureles Ranch.....	90	58	78.6	6.04	
Longshore.....	95	51	72.3	4.48		Franklin.....	88	40	68.0	4.62		Llano <sup>w</sup> .....	100	58	78.6	4.10	
Minneapolis <sup>1</sup> .....	90	57	73.0	2.78		Grace <sup>*1</sup> .....	92	40	70.6	5.50		Longview.....	99	50	76.6	6.12	
St. Georges.....	93	50	73.8	2.15		Greenville.....	85	37	65.2	1.80		Luling.....	101	50	76.2	5.72	
St. Matthews.....	95	54	74.4	4.07		Harriman.....	87	38	67.0	4.51		Mann.....	107	44	77.2	4.22	
St. Stephens.....						Hohenwald.....	80	36	67.6	4.24		Menardville.....	98	48	73.8	5.53	
Santuck.....	93	46	71.0	6.34		Iron City.....	89	38	68.5	4.65		Mount Blanco.....	91	42	71.6	2.20	
Severn.....	98	48	74.3	5.99		Johnsonville.....	93	52 <sup>a</sup>	71.9	4.39		Nacogdoches.....	94	47	74.2	5.17	
Smith's Mills.....						Jonesboro <sup>1</sup> .....	83	36	64.8	2.01		New Braunfels.....	98	49	76.8	2.72	
Society Hill.....	91	51	73.0	7.46		Kingston.....	89	36	69.0	3.59		Paner.....				2.79	
Spartanburg.....	92	47	70.4	5.81		Lafayette <sup>w</sup> .....	94	38	69.9	3.80		Paris <sup>a</sup> .....	98	45	75.8	1.20	
Statesburg.....	93	52	74.0	3.86		Lewisburg.....	92	37	68.4	5.07		Part Lavaca.....	91	60	79.2	5.40	
Summerville.....	91	55	74.2	0.91		Liberty.....	91	38	69.9	3.50		Rhineland.....	97	47	77.8	1.79	
Temperance.....	95	51	75.0	4.81		Lynnnville.....	84	42	67.8	5.32		Hood Island.....	93	50	77.6	3.13	
Trenton.....	90	54	73.8	7.25		Maryville.....	89	41	68.9	3.23		Rockport.....	88	62	77.8	2.59	
Triad.....	98	53	72.4	2.57		Milan.....	92	39	70.5	2.82		Hunge.....	103	49	79.4	5.79	
Walhalla.....	97	46	68.2	4.22		Newport.....	87	42	67.7	2.35		Sanderson.....	99	61	79.0	2.38	
Winnisboro.....	98	52	72.6	4.35		Nunnelly.....	91	38	68.4	5.33		San Marcos.....	96	47	77.2	3.99	
Winthrop College.....	91	47	71.2	4.73		Oakhill.....	89	48	67.1	4.00		San Saba.....	99	52	76.7	2.79	
Yemassee.....	95	56	76.0	1.36		Palmetto.....	91	40	69.6	4.57		Santa Gertrudes Ranch.....				5.91	
Yorkville.....	91	50	71.6	6.81		Perryear <sup>b</sup> .....	92	40	70.2	1.80		Shaeffer Ranch.....	101	66	81.6	5.92	
<i>South Dakota.</i>						Pope.....	92	35	69.3	6.10		Sherman.....	98	51	75.8	1.67	
Aberdeen.....	90	20	56.7	5.10		Rogersville.....	83	40	65.6	4.60		Slipher Springs.....	94	47	75.0	2.81	
Academy.....	91	27	60.6	5.25		Rugby.....	89	34	64.4	6.16		Temple <sup>a</sup> .....	98	58	79.0	2.27	
Alexandria.....	92	30	59.6	6.12		Savannah.....	91	41	70.6	5.72		Temple <sup>b</sup> .....	98	51	77.6	1.88	
Armour.....	91	26	60.9	7.15		Sewanee.....	81	39	64.7	4.68		Trinity.....	94	47	76.2	2.03	
Ashcroft.....	99	18	54.6	0.96		Silverlake.....	81	34	61.1	2.02		Tyler.....	96	49	75.2	5.60	
Bad Nation.....	96	28	61.2	1.91		Springdale.....	90	36	66.4	3.58		Victoria.....				4.61	
Bowdle.....	95	17	53.4	4.17		Springfield.....	92	36	69.3	4.60		Waco.....	98	51	79.8	4.99	
Brookings.....	98	29	57.6	5.09		Tazewell.....	90	39	68.5	3.62		Waxahachie.....	101	41	77.6	1.70	
Canton.....	91	31	61.8	5.07		Tellico Plains.....	90	39	68.5	3.62		Weatherford.....	99	49	78.2	0.85	
Centerville.....						Tracy City.....	85	40	64.5	4.68		Wichita Falls.....				2.36	
Chamberlain.....	93	24	60.6	4.41		Trenton.....	98	36	70.4	2.05		<i>Utah.</i>					
Clark.....	86	26	55.8	8.41		Tulahoma.....	87	38	65.8	8.05		Aneth.....	93	34	68.6	0.00	
Desmet.....	89	29	57.6	6.60		Union City.....	90	38	70.7	1.40		Blackrock.....	87	29	57.1	0.00	
Doland.....	93 <sup>c</sup>	28	58.9 <sup>c</sup>	9.74		Waynesboro.....	89	34	67.2	4.25		Bluecreek <sup>*1</sup> .....	85	45	65.8	0.23	
Elkpoint.....	94	27	61.0	7.91		Wilder <sup>w</sup> ville.....	86	40	69.7	2.60		Castledale.....	84	30	53.3	0.00	
Farmingdale.....						Yukon.....	89	41	68.2	5.68		Cisco.....	86	40	66.0	0.00	
Faulkton.....	92	23	56.8	3.12		<i>T.</i>						Corinne.....	89	33	60.5	0.80	
Flandreau.....	92	29	58.1	4.27		Alvin.....						Coyote.....	86	18	58.2	0.00	
Forestburg.....	93	27	58.8	6.64		Anna.....						Deseret.....	90	24	58.0	0.03	
Fort Meade.....	92	25	55.6	1.35		Arthur.....						Everey.....	85	25	57.0	0.00	
Gann Valley.....	92	23	59.0	4.84		Austin <sup>a</sup> .....	95	50	76.1	1.60		Escalante.....	85	33	61.0	T.	
Gary.....	90	24	57.9	6.62		Aust n b <sup>*2</sup> .....	96	49	76.8	1.69		Farmington.....	86	40	68.6	0.99	
Grand River School.....	95	13	57.0	1.60		Ballinger.....	96	54	77.1	1.06		Fillmore.....	95	30	65.3	0.00	
Greenwood.....	92	26	64.8	5.31		Bastrop.....	96	54	82.1	T.		Hi <sup>b</sup> Springs.....	97	37	65.2	0.00	
Hartman.....	92	25	59.0	5.05		Beaumont.....	97	49	77.6	4.89		Fort Dchezene.....	88	17	54.8	0.03	
Hightmore.....						Beeville.....	101	48	77.1	4.16		Frisco.....	89	29	62.0	T.	
Hitchcock.....						Big Spring.....						Giles.....	98	27	68.4	0.00	
Hotch City.....	94	27	58.2 <sup>a</sup>	2.31		Blanco.....	100 <sup>b</sup>	48	75.4 <sup>a</sup>	1.71		Government Creek.....	85	31	59.8	0.39	2.0
Howard.....	96	26	57.8	4.94		Boerne <sup>*1</sup> .....	94	54	76.0	3.06		Green River.....	100	20	68.9	0.00	
Ipswich.....	95	20	58.4	1.90		Booth.....						Grover.....	84	22	59.6	T.	
Kimball.....	87 <sup>c</sup>	26	57.9 <sup>c</sup>	6.93		Bowie.....	102	51	78.8	0.28		Heber.....	84	20	53.6	0.16	
Leola.....	90	23	55.1	1.78		Brazoria.....	89 <sup>c</sup>	51 <sup>c</sup>	77.5 <sup>c</sup>	12.25		Henefer.....	83	20	51.8	0.73	
Leslie.....	94	21	59.9	8.16		Brenham.....	94	53	78.5	2.91		Hite.....	98	43	73.0	0.00	
Marion.....	90	26	60.4	5.16		Brighton.....	93	58	80.1	4.29		Huntsville.....				0.82	
Mellette.....	92	25	58.6	5.87		Burnet.....	97	47	76.6	3.33		Kelton <sup>w</sup> .....	90	42	60.2	0.23	
Menno.....	91	27	61.6	6.01		Camp Eagle Pass.....	102	58	81.3	1.62		Levan.....	84	28	58.0	0.18	
Millbank.....	91	34	57.6	6.68		Coleman.....	96	53	75.8	1.50		Loa.....	80 <sup>c</sup>	11	48.0 <sup>c</sup>	0.00	
Mitchell.....	92	46	60.0	6.73		College Station.....	97	41	75.2			Logan.....	84	35	59.3	1.03	
Mound City.....	94	20	58.0	1.65		Columbia.....	90	50	75.7	6.30		Manti.....	84	25	56.0	0.08	
Oerlrichs.....	90	22	58.4	1.64		Comanche.....	99	48	75.9	1.18		Maryvale.....	87	22	57.3	0.02	
Pine Ridge.....	90	26	60.1	1.14		Corsicana.....	99	43	75.0	4.02		Meadowville.....	82	25	52.4	0.25	
Plankinton.....	94	23	58.4	9.42		Cotulla.....	102	68	86.1	0.80		Millville.....				0.91	
Redfield.....	92	23	56.8	6.63		Cuero.....	100	59	80.6	4.89		Minersville.....	84	22	60.8	0.09	
Rochford.....	88	17	52.2	1.21		Dallas.....	100	45	76.8	3.58		Moab.....	83	32	65.8	T.	
Rosebud.....	93	28	58.2	1.23		Daneveng.....	98	45	77.2	2.79		Mount Pleasant.....	85	32	60.2	0.16	
St. Lawrence.....	94	20	57.8	7.40		Dublin.....	97	45	75.8	0.70		Odgen <sup>*1</sup> .....	89	37	61.0	0.85	
Silver City.....				0.92		Duval.....	98	49	76.6	3.06		Park City.....	81	28	55.6	0.45	
Sioux Falls.....	90	81	59.8	5.91		Estelle.....	102	48	78.5	1.82		Parowan.....	85	28	58.8	0.04	
Sisseton Agency.....	89	32	56.8	7.42		Fort Brown.....	98	52	80.5	8.00		Pinto.....	88	20	55.0	0.00	
Spearsfish.....	94	26	55.4	0.68		Fort McIntosh.....	105	55	85.4	1.18		Promontory.....				0.35	
Vermillion.....	93	27	63.2	12.41		Fort Ringgold.....	103	68	85.8	4.40		Provo.....	91	81	59.5		
Waubay.....	89	25	54.4	7.60		Fort Stockton.....						Richfield.....	89	24	56.4	0.00	
Wentworth.....	89	30	59.5	4.82		Fredericksburg.....	98	52	75.1	2.17		St. George.....	100	81	67.6	0.00	
Wolsey.....				7.16		Gainesville.....	97 <sup>c</sup>	41 <sup>c</sup>	75.7 <sup>c</sup>	0.15		Scipio.....	87	24	56.6	0.10	
<i>Tennessee.</i>																	

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
Vermont—Cont'd.	°	°	°	In.	In.	Washington—Cont'd.	°	°	°	In.	In.	Wisconsin—Cont'd.	°	°	°	In.	In.
Vernon* <sup>6</sup> .....	84	33	61.0	4.82		Twin.....	73	33	52.0	1.35		Pepin.....	90	36	61.6	10.04	
Wells.....	82	33	60.8	2.49		Union.....	89	32	56.5	4.20		Pine River.....	92	32	59.6	3.01	
Woodstock.....	86	26	57.6	2.06		Vancouver.....	85	35	56.4	3.07		Portage.....	91	35	61.3	3.17	
Virginia.						Vashon.....	82	41	55.8	2.59		Port Washington.....	90	31	59.2	2.40	
Alexandria.....	91	43	68.1	1.38		Waterville.....	76	39	53.2	1.14		Prairie du Chien a.....	98	36	62.0	4.15	
Ashland.....	93	44	67.8	2.89		Wenatchee (near).....	79	38	55.0	1.67		Prairie du Chien b.....	88	28	57.2	4.88	
Barbourville.....	92	44	68.8	2.97		Whatcom.....	77	32	55.8	1.48		Prentice.....	84	36	62.6	3.82	
Bedford.....	92	43	68.2	2.73		Wilbur.....	84	28	53.4	1.94		Racine.....	90	32	57.6	4.56	
Bigstone Gap.....	87	37	55.4	2.99		West Virginia.						Shawano.....	85	35	60.7	3.17	
Birdsneck <sup>2</sup> .....			58.8	5.85		Beckley.....	78	33	60.0	1.42		Sheboygan.....	92	33	59.4	3.89	
Blacksburg.....	85	34	61.6	2.59		Beverly.....	85	33	63.2	2.39		Stevens Point.....	90	31	58.2	7.23	
Bon Air.....	91	47	68.8	3.81		Bluefield.....	88	40	63.6	1.68		Valley Junction.....	92	34	59.6	9.04	
Buckingham.....	92	45	68.0	6.02		Buckhannon a.....	86	34	63.0	3.55		Wiroqua.....	89	30	59.8	3.74	
Burkes Garden.....	78	31	59.0	2.90		Burlington.....	89	34	63.0	2.40		Watertown.....	90	37	61.6	2.67	
Callaville.....	89	46	69.0	4.71		Byrne.....	86	36	65.5	3.80		Waukesha.....	92	33	59.6	3.92	
Charlottesville.....	89	46	67.6	4.62		Central.....	88	35	65.8	4.23		Waupaca.....	89	33	59.0	4.52	
Clifton Forge.....	73	38	60.8	3.02		Chapel.....	93	40	70.6	3.68		Wauau.....	91	29	57.9	2.65	
Columbia.....	92	42	68.4	4.80		Charleston.....						Wausauke.....	93 <sup>d</sup>	32 <sup>d</sup>	62.84	2.22	
Dale Enterprise.....	88	36	63.1	3.84		Clay.....	92	40	68.5	7.55		West Bend.....	88	33	57.4	3.33	
Dowell.....	83	40	63.6	8.82		Creston.....						Westfield.....	91	33	59.0	6.44	
Farmville.....	90	45	69.2	3.40		Dayton.....	89	33	64.0	3.75		Whitehall.....					
Fontella.....	91	42	68.2	2.51		Elkhorn.....	88	38	64.1	2.04		Wyoming.					
Fredericksburg.....	91	45	67.4	2.48		Fairmont.....						Alcova.....	94	26	59.6	1.	
Grahams Forge <sup>2</sup> .....	88	34	61.4	2.17		Glenville.....	91	39	65.0	3.55		Basin.....					
Hampton.....	90	55	73.3	6.30		Grafton.....	87	35	63.4	3.56		Bedford.....	80	21	49.6	1.34	1.5
Hot Springs.....	82	34	60.4	4.20		Green Sulphur.....	85	37	64.1	1.65		Bitter Creek.....	88	12	48.4	0.41	4.0
Lincoln.....	90	41	66.6	3.04		Harpers Ferry.....						Buffalo.....	90	26	54.5	0.53	T.
Manassas.....	89	42	68.6	1.86		Hinton a.....						Casper.....	91	26	59.3	T.	
Marion.....	85	34	64.0	2.90		Hinton b.....	85	42	65.6			Centennial.....	77	16	47.8	0.45	
Newport News.....	91	52	75.1	6.87		Huntington.....	90	41	66.4	3.87		Chugwater.....	85	24	55.8	0.65	
Petersburg.....	95	45	69.6	3.45		Josiah.....	90	37	66.2	4.37		Daniel.....	77	15	44.5	0.72	
Quantico.....	94	45	68.6			Lewisburg.....	85	34	62.4	1.52		Evanson.....	78	19	49.4	0.18	
Radford.....			2.55			Magnolia.....	90	38	65.3	4.11		Fort Laramie.....	90	25	59.6	0.38	
Riverton.....			8.16			Mannington.....	89	37	65.3	3.88		Fort Washakie.....	86	23	52.7	0.24	
Roanoke.....	80	39	68.8	4.37		Martinsburg.....	89	40	63.6	2.10		Fort Yellowstone.....	81	25	47.7	2.85	6.0
Rocky mount.....			3.59			Morgantown.....	84	39	66.9	3.88		Fourbear.....	79	19	46.4	1.47	T.
Spears Ferry.....			3.78			Moscow.....	86	40	63.5	2.72		Griggs.....	91	23	56.0	0.18	
Spottsville.....	92	46	69.9	6.46		New Martinsville.....	95	41	68.1	2.72		Hyattville.....	90	26	55.8	0.11	
Stanardsville.....			8.08			Nuttallburg.....	83	36	63.4	3.27		Iron Mountain.....	84	21	55.0	1.11	
Staunton.....	89	39	65.6	3.46		Oceana.....	86	40	66.0	4.60		Laramie.....	79	21	52.4	0.09	
Stephens City.....	93	39	66.4	4.86		Oldfields.....	88	38	65.1	1.48		Leo.....	82	12	51.4	0.10	
Warsaw.....	90	48	68.7	3.25		Parsons.....	82 <sup>c</sup>	30	60.7	1.90		Lusk.....	84	23	55.5	0.30	
Westpoint.....	90	49	67.2	2.75		Philippa.....	88	27	60.0	2.70		Moore.....					
Williamsburg.....	89	49	69.2	5.05		Point Pleasant.....	90	42	67.6	2.29		Parkman.....	82	25	59.6	0.30	
Woodstock.....	89	38	62.9	4.08		Powellton.....	89	38	65.7	3.85		Pinebluff.....	85	28	57.8	0.90	
Wytheville.....	87	35	64.0	2.27		Princeton.....	81	34	62.1	3.85		Rawlins.....	83	22	50.7	0.11	
Washington.						Romey.....	88	35	65.6	2.10		Rocksprings.....	87 <sup>c</sup>	20	57.9		
Aberdeen.....	80	38	54.6	4.65		Rowlesburg.....						Saratoga.....	85	20	53.8	0.08	
Anacortes.....			1.54			Southside.....	89	43	67.2	3.58		Sheridan.....	91	24	51.6	0.25	
Ashford.....			3.46			Wellsburg.....	83	36	65.3	4.37		South Pass City.....	78	18	45.5	0.70	6.0
Bremerton.....	88	37	57.8	2.55		Weston a.....						Thayne.....	80	20	48.7	1.38	T.
Brinmon.....	82	40	56.3	3.22		Weston b.....	88	38	65.6			Thermopolis.....	93	29	56.8	0.96	
Buchanan's Farm.....			1.39			Winfield.....	87	42	65.8	2.97		Wheatland.....	92	29	68.6	0.53	
Cedonia.....	74	31	51.4	3.37		Wisconsin.						Cuba.					
Cheney.....			2.06			Antigo.....	89	30	56.9	3.97		Aguacate.....	94	72	88.6	8.38	
Clearwater.....	88	35	54.8	6.60		Appleton.....	87	36	59.8	3.09		Alvarez.....			5.97		
Cle Elum.....	80	22	52.4	0.69		Ashland.....						Australia.	94	66	80.0	13.56	
Colfax.....	86	31	55.2	2.46		Barrou.....	92	30	54.6	6.55		Banaguises.....	92	65	79.2	12.25	
Colville.....	80	26	53.4	2.07		Beloit.....	90	33	62.0	2.03		Batabano.....	96	70	80.2	7.54	
Conconally.....	76	29	51.8	1.81		Brodbear.....	95	34	63.2	3.30		Camajuaní.....	90	65	77.6	11.34	
Connell.....	81	39	55.8	1.14		Butternut.....	88	33	52.6	3.37		Ciego de Avila.			11.15		
Coupeville.....			1.16			Chilton.....	92	31	60.1	3.05		Cruces.....	96	69	82.3	6.41	
Crescent.....	75	28	52.4	3.04		Citypoint.....	94	29	59.3	4.29		Gibara.....	96	67	80.0	10.02	
East Sound.....	77	33	52.8	1.17		Darlington.....	93	30	59.8	3.63		Guana Jay.....	89	66	77.6	13.18	
Ellensburg.....	77	25	58.0	0.53		Dodzerville.....	93	30	60.8	4.13		Guantanamo.....	95	69	80.4	9.48	
Ellensburg (near).....	80	26	54.0	0.20		Easton.....	94	31	59.5	4.69		Guines.....	90	67	78.6	21.15	
Grandmound.....	85	32	56.2	2.72		Eau Claire.....	94	33	57.8	5.71		Holguin.....	96	70	81.6	4.57	
Granite Falls.....			4.88			Florence.....	84	35 <sup>a</sup>	58.1	3.29		Isabel, Guantanamo.....			10.27		
Hooper.....	87	34	58.0	1.46		Fond du Lac.....	89	32	60.8	2.81		Los Canos.....	97	67	81.0	6.43	
Ilwaco.....	94	43	57.2	5.79		Grand River Locks.....						Magdalena.....			20.78		
Lacenter.....	87	39	57.4	3.61		Grantsburg.....	90	26	58.6	4.25		Manzanillo.....	94	73	88.7	7.25	
Lake Side.....	77	39	59.0	1.21		Hartland.....	90	32	61.0	2.54		Morón Trocha.....	98	67	81.8	12.31	
Lind.....	92	25	57.2	1.24		Harvey.....	93	35	61.6	3.49		Nuevitas.....	100	71	85.1	3.20	
Mayfield.....	82	35	56.2	2.69		Hayward.....	89	30	56.4	5.47		Pinar del Río.....	91	70	80.8	14.92	
Monte Cristo.....	80	32	51.5	6.27		Knapp.....	96	30	58.6	5.65		Romelie, Guantanamo.....			8.77		
Mottinger Ranch.....	87	41	62.3	1.26		Koepenick.....	86	33	56.2	5.20		Sau Ceytano.....	95	69	81.2	13.70	
Mount Pleasant.....	85	39	58.4	3.62		Ladysmith.....	90	27									

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.			Maximum.	Minimum.	Mean.		
<i>Porto Rico—Cont'd.</i>				<i>Ins.</i>	<i>Ins.</i>	<i>Arkansas.</i>	<i>o</i>	<i>o</i>	<i>Ins.</i>	<i>Ins.</i>
Hacienda Amistad . . . . .	95	65	79.2	7.97	Winchester . . . . .	105	59	81.3	1.23	
Hacienda Coloso . . . . .	96	65	79.6	14.69	<i>California.</i>					
Hacienda Perla . . . . .	98	71	80.8	16.78	Gilroy (near) . . . . .	99	44	87.5	0.00	
Humacao . . . . .	92	64	77.9	12.40	Lick Observatory . . . . .	91 <sup>b</sup>	49 <sup>c</sup>	71.6 <sup>d</sup>	0.05	
Isabela . . . . .	94	69	81.8	5.00	Storey . . . . .	107	52	79.7	T.	
La Isolina . . . . .	90	65	77.4	12.25	<i>Georgia.</i>					
Las Marias . . . . .	95	68	80.2	11.68	Valona . . . . .	93	67	79.7	8.05	
Manati . . . . .	97	68	81.2	7.28	<i>Idaho.</i>					
Maunabo . . . . .	92	75	83.2	8.03	Paris . . . . .	94	38	64.2	0.26	
Mayaguez . . . . .	94	65	80.8	18.00	<i>Louisiana.</i>					
Morovis . . . . .	94	61	78.0	18.27	Southern University . . . . .	92	66	78.2	3.87	
Ponce . . . . .	95	69	80.8	4.73	Sugartown . . . . .	97	61	82.8		
Salinas . . . . .				9.19	Venice . . . . .	95	70	81.3	8.05 <sup>e</sup>	
San Lorenzo . . . . .				11.04	<i>Maine.</i>					
San Salvador . . . . .	90	64	76.8	16.21	Winslow . . . . .	87	44	67.0	4.54	
Santa Isabel . . . . .	96	70	81.9	10.10	<i>Massachusetts.</i>					
Utuado . . . . .				15.47	Lowell <sup>b</sup> . . . . .	89	51	70.9	.....	
Yauco . . . . .	91	69	79.6	9.57	<i>Michigan.</i>					
<i>Mexico.</i>					Manistee . . . . .	87	36	64.5	1.60	
Ciudad P. Diaz . . . . .	101	58	82.1	1.69	Mount Pleasant . . . . .	89	42	66.6	3.75	
Coatzacoalcos . . . . .	94	65	79.6	14.60	<i>Minnesota.</i>					
Leon de Aldamas . . . . .	84	47	67.5	7.58	Lakeside . . . . .	91	45	71.0	.....	
Vera Cruz . . . . .	96	71	81.1	4.42	Leech Lake . . . . .	91	43	66.1	1.66	
<i>New Brunswick.</i>					<i>Missouri.</i>					
St. John . . . . .	80	39	57.8	3.47	Cook Station . . . . .	103	50	77.5	0.49	
<i>Nicaragua.</i>					<i>New Jersey.</i>					
Rivas . . . . .	90	75	80.6	22.94	Blairstown . . . . .	91	50	78.0	15.80	
<i>Isthmus of Panama.</i>					Toms River . . . . .	92	49	73.7	8.03	
Alajuela . . . . .	91	70	78.8	15.91	<i>New Mexico.</i>					
La Boca . . . . .	89	76	81.5	11.77	Deming . . . . .					
<i>Alaska.</i>					Los Lunas . . . . .	101	52	75.5	0.90	
Coal Harbor . . . . .	68	38	52.2	1.68	Olio . . . . .	101	50	76.0	0.65	
Fort Liscum . . . . .	68	30	46.6	16.20	<i>North Carolina.</i>					
Orca . . . . .	71	40	52.7	27.02	Linville . . . . .	79	46	64.8	.....	
<i>Utah.</i>					Straits Corners . . . . .	85 <sup>b</sup>	45 <sup>c</sup>	67.8 <sup>d</sup>	5.25	
<i>Washington.</i>					Texmo . . . . .				2.70	
<i>Washington.</i>					Escalante . . . . .	97	51	71.0	3.46	
<i>Washington.</i>					Vashon . . . . .	84	49	68.2	0.19	

## EXPLANATION OF SIGNS.

\* Extremes of temperature from observed readings of dry thermometer.

A numeral following the name of a station indicates the hour of observation from which the mean temperature was obtained, thus:

<sup>a</sup> Mean of 7 a. m. + 2 p. m. + 9 p. m. + 9 p. m. + 4.

<sup>b</sup> Mean of 8 a. m. + 8 p. m. + 2.

<sup>c</sup> Mean of 7 a. m. + 7 p. m. + 2.

<sup>d</sup> Mean of 6 a. m. + 6 p. m. + 2.

<sup>e</sup> Mean of 7 a. m. + 2 p. m. + 2.

\* Mean of readings at various hours reduced to true daily mean by special tables.

<sup>f</sup> Mean from hourly readings of thermograph.

<sup>g</sup> Mean of sunrise and noon.

<sup>h</sup> Mean of sunrise, noon, sunset, and midnight.

The absence of a numeral indicates that the mean temperature has been obtained from daily readings of the maximum and minimum thermometers.

An italic letter following the name of a station, as "Livingston *a*," "Livingston *b*," indicates that two or more observers, as the case may be, are reporting from the same station. A small roman letter following the name of a station, or in figure columns, indicates the number of days missing from the record; for instance "*a*" denotes 14 days missing.

No note is made of breaks in the continuity of temperature records when the same do not exceed two days. All known breaks, of whatever duration, in the precipitation record receive appropriate notice.

## CORRECTIONS.

July, 1901. Kelton, Utah, make mean temperature 82.9° instead of 78.1°.

May, 1901, Ashland *a*, Nebr., make total precipitation 2.89 instead of 2.98.

March, 1901, Sedro, Wash., make mean temperature 44.9 instead of 48.9.

TABLE III.—Resultant winds from observations at 8 a. m. and 8 p. m., daily, during the month of September, 1901.

Stations.	Component direction from—				Resultant.		Stations.	Component direction from—				Resultant.	
	N.	S.	E.	W.	Direction from—	Dura-		N.	S.	E.	W.	Direction from—	Dura-
<i>New England.</i>													
Eastport, Me.	Hours.	Hours.	Hours.	Hours.	°	Hours.	Upper Mississippi Valley—Cont'd.	Hours.	Hours.	Hours.	Hours.	°	Hours.
Portland, Me.	17	19	7	32	s. 85 w.	23	La Crosse, Wisc.	7	17	4	8	s. 22 w.	11
Northfield, Vt.	18	22	3	32	s. 73 w.	30	Davenport, Iowa	8	28	25	15	s. 36 e.	17
Boston, Mass.	10	42	7	7	s. 75 w.	32	Des Moines, Iowa	15	22	19	14	s. 36 e.	9
Nantucket, Mass.	14	21	5	32	s. 36 w.	28	Dubuque, Iowa	9	30	20	16	s. 11 e.	21
Block Island, R. I.	18	25	12	17	s. 14 w.	15	Keokuk, Iowa	15	28	19	17	s. 9 e.	18
New Haven, Conn.	18	22	11	25	n. 81 w.	25	Cairo, Ill.	16	29	19	8	s. 45 e.	16
Middle Atlantic States.	24	20	2	27			Springfield, Ill.	12	29	14	16	s. 7 w.	17
Albany, N. Y.	22	25	2	17	s. 79 w.	15	Hannibal, Mo.†	6	11	11	6	s. 45 e.	7
Binghamton, N. Y.†	10	3	15	6	n. 52 e.	11	St. Louis, Mo.	16	32	15	8	s. 24 e.	18
New York, N. Y.	21	19	14	19	n. 88 w.	5	Missouri Valley.						
Harrisburg, Pa.†	11	5	11	9	n. 18 e.	6	Columbia, Mo.‡	5	18	12	6	s. 37 e.	10
Philadelphia, Pa.	22	18	15	19	n. 45 w.	6	Kansas City, Mo.	13	25	17	10	s. 30 e.	14
Soratont, Pa.	27	17	18	14	n. 23 e.	11	Springfield, Mo.	10	20	29	5	s. 50 e.	21
Atlantic City, N. J.	24	13	17	18	n. 5 w.	11	Lincoln, Nebr.	17	24	23	10	s. 60 e.	14
Cape May, N. J.	25	15	18	14	n. 29 e.	11	Omaha, Nebr.	12	24	27	12	s. 51 e.	19
Baltimore, Md.	25	14	21	12	n. 39 e.	14	Valentine, Nebr.	19	22	15	16	s. 18 w.	8
Washington, D. C.	28	21	18	8	n. 55 e.	12	Sioux City, Iowa†	7	18	13	6	s. 45 e.	10
Lynchburg, Va.	20	8	24	12	n. 45 e.	17	Pierre, S. Dak.	18	17	25	13	n. 85 e.	12
Norfolk, Va.	29	17	21	8	n. 47 e.	18	Huron, S. Dak.	16	19	26	16	s. 78 e.	10
Richmond, Va.	34	11	19	9	n. 23 e.	25	Yankton, S. Dak.†	6	9	9	9	s.	3
South Atlantic States.							Northern Slope.						
Charlotte, N. C.	28	14	27	7	n. 55 e.	24	Havre, Mont.	16	12	21	27	n. 58 w.	7
Hatteras, N. C.	27	17	21	12	n. 42 e.	14	Miles City, Mont.	19	14	16	24	n. 59 w.	9
Raleigh, N. C.	37	18	10	13	n. 7 w.	24	Helena, Mont.	13	20	6	34	s. 76 w.	29
Wilmington, N. C.	21	17	21	15	n. 56 e.	7	Kalispell, Mont.	17	15	13	30	n. 88 w.	17
Charleston, S. C.	28	20	15	11	n. 38 e.	5	Rapid City, S. Dak.	20	14	18	21	n. 27 w.	7
Columbia, S. C.	30	12	27	8	n. 47 e.	26	Cheyenne, Wyo.	17	22	9	23	s. 70 w.	15
Augusta, Ga.	31	10	21	11	n. 24 e.	24	Lander, Wyo.	18	28	7	34	s. 70 w.	29
Savannah, Ga.	21	19	18	14	n. 68 e.	4	North Platte, Nebr.	14	18	30	13	s. 77 e.	18
Jacksonville, Fla.	25	18	23	11	n. 60 e.	14	Middle Slope.						
Florida Peninsula.							Denver, Colo.	16	26	14	18	s. 22 w.	11
Jupiter, Fla.	12	24	32	7	s. 64 e.	28	Pueblo, Colo.	20	16	21	22	n. 27 w.	4
Key West, Fla.	18	16	44	1	s. 86 e.	48	Concordia, Kans.	11	29	17	11	s. 37 e.	10
Tampa, Fla.	27	9	31	10	n. 49 e.	28	Dodge, Kans.	14	29	32	5	s. 61 e.	21
Eastern Gulf States.							Wichita, Kans.	16	36	14	3	s. 29 e.	23
Atlanta, Ga.	17	11	32	11	n. 74 e.	22	Oklahoma, Okla.	11	36	24	4	s. 39 e.	32
Macon, Ga.†	17	7	6	3	n. 17 e.	10	Southern Slope.						
Pensacola, Fla.	18	3	15	2	n. 69 e.	14	Abilene, Tex.	6	33	31	6	s. 45 e.	35
Mobile, Ala.	32	15	18	10	n. 10 e.	17	Amarillo, Tex.	5	33	20	14	s. 9 e.	33
Montgomery, Ala.	14	14	26	5	e.	21	Southern Plateau.						
Meridian, Miss.	16	4	13	3	n. 40 e.	16	El Paso, Tex.	23	8	27	19	n. 28 e.	17
Vicksburg, Miss.	18	9	28	2	n. 76 e.	36	Flagstaff, Ariz.	14	20	22	39	s. 71 w.	18
New Orleans, La.	23	23	30	2	n. 88 e.	28	Santa Fe, N. Mex.	9	25	24	12	s. 37 e.	20
Western Gulf States.							Phoenix, Ariz.	13	10	25	20	n. 59 e.	6
Shreveport, La.	15	17	36	3	s. 87 e.	33	Yuma, Ariz.	14	18	15	26	s. 70 w.	12
Fort Smith, Ark.	16	18	39	5	n. 85 e.	34	Independence, Cal.	21	22	13	19	s. 80 w.	6
Little Rock, Ark.	19	22	28	8	s. 81 e.	20	Middle Plateau.						
Corpus Christi, Tex.	18	17	31	4	n. 88 e.	27	Carson City, Nev.	15	19	7	32	s. 81 w.	26
Fort Worth, Tex.	8	30	34	1	n. 87 e.	40	Winnebago, Nev.	24	13	17	24	n. 82 w.	13
Galveston, Tex.	18	18	36	2	n. 87 e.	34	Modena, Utah.	4	21	5	43	s. 68 w.	42
Palestine, Tex.	20	20	31	1	e.	30	Salt Lake City, Utah.	23	18	23	15	n. 63 e.	9
San Antonio, Tex.	12	18	45	2	s. 89 e.	43	Grand Junction, Colo.	10	25	20	15	s. 18 e.	16
Ohio Valley and Tennessee.							Northern Plateau.						
Chattanooga, Tenn.	29	16	18	14	n. 18 e.	13	Baker City, Oreg.	23	22	9	18	n. 8 w.	o
Knoxville, Tenn.	34	19	16	12	n. 20 e.	12	Boise, Idaho.	20	14	14	26	n. 68 w.	13
Memphis, Tenn.	18	18	29	8	e.	21	Lewiston, Idaho†.	4	11	18	4	s. 63 e.	16
Nashville, Tenn.	21	17	20	15	n. 68 e.	22	Pocatello, Idaho.	9	22	12	26	s. 47 w.	19
Lexington, Ky.†	8	10	13	3	s. 81 e.	13	Spokane, Wash.	17	23	18	18	n. 40 e.	8
Louisville, Ky.	26	14	19	10	n. 37 e.	15	Walla Walla, Wash.	5	36	7	17	s. 18 w.	33
Evansville, Ind.†	18	7	14	4	n. 59 e.	12	North Pacific Coast Region.						
Indianapolis, Ind.	21	19	18	15	n. 56 e.	4	Neal Bay, Wash.	4	16	26	26	s.	12
Cincinnati, Ohio.	19	20	24	12	n. 85 e.	12	Port Crescent, Wash.†	2	5	18	14	s. 18 w.	3
Columbus, Ohio.	17	16	25	17	n. 83 e.	8	Seattle, Wash.	20	19	16	16	s.	1
Pittsburg, Pa.	25	15	19	23	n. 48 w.	15	Tacoma, Wash.	4	17	9	15	s. 25 w.	14
Parkersburg, W. Va.	21	21	17	16	e.	1	Astoria, Oreg.	16	19	18	23	s. 84 w.	10
Elkins, W. Va.	18	20	15	24	s. 77 w.	9	Portland, Oreg.	23	21	12	20	n. 83 w.	8
Lower Lake Region.							Roseburg, Oreg.	24	10	19	24	n. 20 w.	15
Buffalo, N. Y.	9	21	11	29	s. 56 w.	23	Eureka, Cal.	18	23	7	30	s. 78 w.	24
Oswego, N. Y.	11	34	13	15	s. 7 w.	23	Mount Tamalpais, Cal.	19	7	4	44	n. 73 w.	42
Rochester, N. Y.	7	27	12	31	s. 44 w.	28	Red Bluff, Cal.	28	20	20	6	n. 60 e.	16
Erie, Pa.	10	26	12	29	s. 32 w.	18	Sacramento, Cal.	11	37	13	12	s. 2 e.	26
Cleveland, Ohio.	13	29	22	13	s. 29 e.	18	San Francisco, Cal.	1	21	1	48	s. 67 w.	51
Sandusky, Ohio.	14	23	17	19	s. 13 w.	9	South Pacific Coast Region.						
Toledo, Ohio.	14	20	14	28	s. 56 w.	11	Fresno, Cal.	31	8	6	38	n. 49 w.	42
Detroit, Mich.	20	18	14	22	s. 76 w.	8	Los Angeles, Cal.	7	13	9	42	s. 80 w.	34
Upper Lake Region.							San Diego, Cal.	26	12	8	29	n. 56 w.	25
Alpena, Mich.	17	21	13	20	s. 60 w.	8	San Luis Obispo, Cal.	16	16	1	26	w.	25
Escanaba, Mich.	21	23	8	19	s. 85 w.	11	West Indies.						
Grand Haven, Mich.	16	23	17	19	s. 16 w.	7	Basseterre, St. Kitts Island.	23	6	40	3	n. 66 e.	41
Houghton, Mich.†	7	5	12	14	n. 45 w.	3	Bridgeport, Barbados.	11	18	40	6	s. 78 e.	35
Marquette, Mich.	19	20	13	26	s. 86 w.	18	Cienfuegos, Cuba.	23	11	41	3	n. 74 e.	40
Port Huron, Mich.	15	18	14	22	s. 69 w.	8	Grand Turk†.	2	12	23	2	s. 65 e.	28
Sault Ste. Marie, Mich.	18	15	22	19	n. 45 e.	4	Barbuda, Cuba.	11	13	46	2	s. 89 e.	44
Chicago, Ill.	18	25	14	18	s. 24 w.	10	Kingston, Jamaica.	44	4	27	2	n. 83 e.	47
Milwaukee, Wis.	18	20	10	22	s. 81 w.	12	Port of Spain, Trinidad.	16	15	37	5	n. 88 e.	32
Green Bay, Wis.	18	29	13	14	s. 5 w.	11	Puerto Principe, Cuba.	17	6	44	3	n. 75 e.	42
Duluth, Minn.	28	11	18	22	s. 12 w.	19	Roseau, Dominica, W. I.	23	11	34	7	n. 66 e.	30
North Dakota.							San Juan, Porto Rico.	6	31	23	4	s. 37 e.	31
Moorhead, Minn.	21	21	21	17	e.	4	Santiago de Cuba, Cuba.	29	17	22	6	n. 53 e.	20
Bismarck, N. Dak.	18	14	23	17	n. 56 e.	7	Santo Domingo, W. I.	44	19	9	2	n. 12 e.	38
Williston, N. Dak.	21	4	15	18	n. 10 w.	17	Willemstad, Curacao.	6	12	49	1	s. 83 e.	48
Upper Mississippi Valley.							* From observations at 8 a. m. only.						
St. Paul, Minn.	17	24	14	17	s. 36 w.	9	† From observations at 8 p. m. only.						

TABLE IV.—*Thunderstorms and auroras, September, 1901.*

States.	No. of stations.	Total.																																		
		No.	Days																																	
Alabama.....	52	T. A.	1	1	1	1	1	1	1	1	1	3	1	3	6	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Arizona.....	56	T. A.	1	1	2	2	1	1	4	2	1	1	3	1	3	6	2	1	1	1	3	1	1	1	1	1	1	1	1	1	1					
Arkansas.....	57	T. A.	1	1	1	1	1	1	2	4	2	3	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
California.....	187	T. A.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Colorado.....	81	T. A.	1	6	18	4	3	5	7	8	7	3	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Connecticut.....	21	T. A.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Delaware.....	5	T. A.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Dist. of Columbia	4	T. A.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Florida.....	47	T. A.	1	3	4	5	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Georgia.....	55	T. A.	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Idaho.....	34	T. A.	3	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Illinois.....	92	T. A.	1	1	1	1	1	1	12	6	15	4	1	11	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Indiana.....	58	T. A.	1	1	1	1	1	1	4	7	17	7	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Indian Territory.	11	T. A.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Iowa.....	149	T. A.	1	1	1	1	1	1	5	8	9	12	7	19	8	12	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Kansas.....	77	T. A.	1	1	1	1	1	1	6	4	5	9	7	18	11	10	2	26	16	1	1	1	1	1	1	1	1	1	1	1	1					
Kentucky.....	41	T. A.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Louisiana.....	46	T. A.	2	7	8	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Maine.....	19	T. A.	1	1	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Maryland.....	48	T. A.	14	11	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Massachusetts....	48	T. A.	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Michigan.....	106	T. A.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Minnesota.....	67	T. A.	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Mississippi.....	44	T. A.	4	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Missouri.....	95	T. A.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Montana.....	40	T. A.	4	11	4	7	8	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Nebraska.....	142	T. A.	1	1	16	6	17	19	17	4	23	23	8	21	5	5	8	4	5	1	1	1	1	1	1	1	1	1	1	1						
Nevada.....	40	T. A.	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
New Hampshire.	19	T. A.	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
New Jersey.....	51	T. A.	17	8	9	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
New Mexico.....	81	T. A.	4	5	4	3	2	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
New York.....	99	T. A.	3	1	5	4	1	1	3	1	3	19	12	5	1	9	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1					
North Carolina..	56	T. A.	2	1	1	1	1	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
North Dakota....	48	T. A.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Ohio.....	128	T. A.	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Oklahoma.....	28	T. A.	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Oregon.....	74	T. A.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Pennsylvania....	91	T. A.	18	11	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Rhode Island....	7	T. A.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
South Carolina..	46	T. A.	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
South Dakota....	56	T. A.	6	7	6	10	1	1	14	8	1	1	3	2	4	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Tennessee.....	56	T. A.	1	1	1	1	1	1	1	6	1	6	1	8	5	7	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Texas.....	95	T. A.	9	5	6	3	3	3	1	1	3	5	7	5	7	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Utah.....	47	T. A.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Vermont.....	16	T. A.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Virginia.....	50	T. A.	5	3	6	1	1	1	2	3	13	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Washington....	64	T. A.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
West Virginia...	43	T. A.	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Wisconsin.....	60	T. A.	1	1	1	1	1	1	1	4	1	3	1	1	1	8	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Wyoming.....	31	T. A.	3	12	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Sums .....	2,898	T. A.	112	88	116	70	35	61	70	79	104	210	355	130	143	125	198	106	2	1	1	15	16	15	20	18	70	130	51	72	50	96	70	2,639	8	T. A.

TABLE V.—Accumulated amounts of precipitation for each 5 minutes, for storms in which the rate of fall equaled or exceeded 0.25 in any 5 minutes, or 0.75 in 1 hour during September, 1901, at all stations furnished with self-registering gages.

Stations.	Date.	Total duration.		Total amount of precipi- tation.	Excessive rate.		Amount be- fore exces- sive began.	Depths of precipitation (in inches) during periods of time indicated.														
		From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.	
Albany, N. Y.	17	3	3	4	5	6	7													0.40		
Alpena, Mich.	10			0.68																0.35		
Atlanta, Ga.	16-17			2.57																0.59		
Atlantic City, N. J.	20			0.75																0.31		
Baltimore, Md.	3			0.50																0.50		
Binghamton, N. Y.	17			0.70																0.55		
Bismarck, N. Dak.	24-25			0.63																0.29		
Boise, Idaho	21			0.11																0.30		
Boston, Mass.	11			0.59																0.46		
Buffalo, N. Y.	28			0.80																0.52		
Cairo, Ill.	11-12			1.07																		
Charleston, S. C.	15			0.11																0.78		
Chicago, Ill.	11			1.98																0.22		
Cincinnati, Ohio	12			0.35																0.34		
Cleveland, Ohio	1	6.00 a.m.	1.35 p.m.	3.76	8-10 a.m.	9.40 a.m.	0.44	0.17	0.21	0.25	0.28	0.38	0.49	0.75	1.09	1.30	1.56	1.70	1.90	2.09		
Columbia, Mo.	11			0.26				11.00 a.m.	12-01 p.m.	2.75	0.05	0.17	0.27	0.34	0.40	0.22	0.44	0.51	0.60	0.68		
Columbus, Ohio	17			0.49																		
Denver, Colo.	8			0.21																*		
Des Moines, Iowa	11			1.22																0.48		
Detroit, Mich.	11-12			0.98																0.51		
Dodge, Kans.	8			0.66																*		
Duluth, Minn.	25			1.13																		
Eastport, Me.	11-12			0.95																0.25		
Elkins, W. Va.	10			0.65																0.63		
Erie, Pa.	28			0.70																0.25		
Escanaba, Mich.	29			0.75																0.18		
Evansville, Ind.	11			0.48																		
Fort Worth, Tex.	2	4.55 p.m.	5.55 p.m.	0.78	4.55 p.m.	5.35 p.m.	0.00	0.06	0.11	0.23	0.48	0.62	0.67	0.70	0.74	0.78				*		
Galveston, Tex.	1	5.45 a.m.	8.05 a.m.	1.18	6.10 a.m.	6.54 a.m.	T.	0.32	0.37	0.66	0.82	0.92	1.02	1.04	1.08	1.18						
Do	15	6.30 a.m.	12.30 p.m.	2.76	7.15 a.m.	0.01	0.22	0.56	0.88	1.21	1.42	1.70	1.90	1.98	2.00							
Grand Junction, Colo.	3			0.76																0.59		
Harrisburg, Pa.	10			1.40 a.m.	9.50 a.m.	2.12	7.20 a.m.	8.10 a.m.	0.81	0.11	0.27	0.45	0.67	0.79	0.82	0.86	0.91	0.97	1.09	1.10		
Hatteras, N. C.	28			8.07 p.m.	1.05 a.m.	1.57	8.45 p.m.	9.30 p.m.	0.08	0.08	0.24	0.43	0.58	0.70	0.88	1.00	1.01	1.02	1.07	1.16		
Huron, S. Dak.	24			0.20																0.10		
Indianapolis, Ind.	10			7.09 p.m.	8.50 p.m.	1.97	7.09 p.m.	7.40 p.m.	0.00	0.14	0.40	0.85	1.36	1.76	1.92	1.93						
Jacksonville, Fla.	2	4.05 p.m.	4.55 p.m.	2.58	4.05 p.m.	4.45 p.m.	0.00	0.10	0.35	0.67	1.27	1.77	2.22	2.42	2.52	2.55	2.58			0.12		
Juniper, Fla.	10			0.25																		
Kalispell, Mont.	6-7			0.41																		
Kansas City, Mo.	9			8.57 a.m.	11.00 a.m.	0.98	9.45 a.m.	10.20 a.m.	0.04	0.08	0.27	0.58	0.74	0.77	0.79	0.90						
Key West, Fla.	4			2.25 p.m.	4.45 p.m.	1.43	3.25 a.m.	3.55 p.m.	0.30	0.14	0.56	0.88	0.91	0.94	1.01	1.08						
Knoxville, Tenn.	14-15			8.01 p.m.	D. N.	1.02	8.03 p.m.	8.35 p.m.	T.	0.32	0.47	0.55	0.65	0.67	0.75							
Lexington, Ky.	12			1.21																		
Lincoln, Nebr.	10			8.30 p.m.	10.45 p.m.	1.59	10.05 p.m.	10.30 p.m.	0.64	0.06	0.18	0.53	0.81	0.93						0.71		
Little Rock, Ark.	13-14			5.10 p.m.	6.15 a.m.	3.47	11.50 p.m.	12.30 a.m.	0.32	0.05	0.23	0.43	0.77	0.81	0.82	0.89	0.94		1.17	1.69	2.06	
Los Angeles, Cal.	24			1.15 p.m.	2.55 p.m.	1.53	1.15 p.m.	2.25 p.m.	0.00	0.10	0.18	0.38	0.57	0.62	0.64	0.69	0.73	0.79	0.80	1.14	1.50	
Louisville, Ky.	30			0.02																0.03		
Macon, Ga.	13			1.21																		
Memphis, Tenn.	14			5.40 p.m.	6.25 p.m.	0.78	5.40 p.m.	6.05 p.m.	0.00	0.22	0.48	0.64	0.71	0.75								
Meridian, Miss.	13			2.00 a.m.	4.30 p.m.	4.66	6.10 a.m.	7.45 a.m.	2.06	0.07	0.14	0.20	0.28	0.25	0.26	0.45	0.55	0.59	0.74	0.91	1.23	
Milwaukee, Wis.	8-9			11.52 a.m.	4.00 p.m.	1.92	12.05 p.m.	12.30 p.m.	T.	0.08	0.31	0.55	0.59	0.68	0.70	0.74	0.76	0.81		0.14		
Montgomery, Ala.	27-28			1.95																0.66		
Nantucket, Mass.	29-30			0.52																		
Nashville, Tenn.	14			9.40 a.m.	5.30 p.m.	1.99	12.08 p.m.	1.05 p.m.	0.28	0.27	0.47	0.55	0.59	0.66	0.68	0.72	0.93	1.03	1.13	1.23	1.31	
New Haven, Conn.	10-11			10.25 p.m.	6.15 a.m.	3.15	2.35 a.m.	3.30 a.m.	0.32	0.08	0.17	0.36	0.46	0.59	0.79	1.21	1.56	1.86	2.22	2.37		
New Orleans, La.	16			1.25 p.m.	3.00 p.m.	1.49	1.33 p.m.	2.05 p.m.	0.04	0.19	0.42	0.74	0.96	1.15	1.29	1.82	1.85	1.98	1.43	1.45		
Norfolk, Va.	17-19			0.34																0.78		
Northfield, Vt.	15			0.39																0.35		
Oklahoma, Okla.	9			0.29																0.21		
Omaha, Nebr.	26-27			1.40																1.30†		
Parkersburg, W. Va.	10			2.57 p.m.	4.20 p.m.	0.50	3.22 p.m.	T.	0.20	0.35	0.40	0.49	0.50									
Philadelphia, Pa.	11			4.29 p.m.	7.12 p.m.	0.92	5.40 p.m.	6.00 p.m.	0.13	0.04	0.19	0.43	0.60	0.63						0.23		
Pittsburg, Pa.	15			0.23																0.15		
Pocatello, Idaho	23-24			0.58																0.35		
Portland, Me.	17			0.72																0.28		
Portland, Oreg.	21-22			1.22																		
Pueblo, Colo.	3			0.18																		
Raleigh, N. C.	29			9.15 a.m.	11.00 a.m.	2.40	9.55 a.m.	10.50 a.m.	0.05	0.06	0.17	0.35	0.60	0.76	0.90	1.22	1.48	1.84	2.11	2.33		
Richmond, Va.	16-17			0.60																0.54		
Rochester, N. Y.	15			0.55																0.54†		
St. Louis, Mo.	10			0.26																		
St. Paul, Minn.	25			0.97																0.39		
Salt Lake City, Utah	23-24			0.86																0.19		
San Diego, Cal.	23			0.06																0.26		
Sandusky, Ohio	1			0.27																0.56†		
San Francisco, Cal.	23			0.68																0.59		
Savannah, Ga.	17			0.88																0.18		
Seattle, Wash.	24-25			0.67																0.25		
Spokane, Wash.	26			0.35																		
Springfield, Ill.	14			12.30 p.m.	2.00 p.m.	0.69	12.55 p.m.	1.20 p.m.	T.	0.07	0.28	0.46	0.61	0.69								
Tampa, Fla.	28-29			2.01																0.44		
Toledo, Ohio	10			0.40																0.40		
Topeka, Kans.	18			4.45 p.m.	10.20 p.m.	4.00	5.40 p.m.	6.50 p.m.	0.11	0.43	0.75	0.97	1.12	1.60	1.78	2.14	2.32	2.37	2.53	2.81	2.92	
Valentine, Nebr.	6-7			1.37																0.74		
Vicksburg, Miss.	18			0.57																		
Washington, D. C.	28-29			0.59																		
Wilmington, N. C.	18			9.00 a.m.	10.05 a.m.	1.00	9.10 a.m.	9.35 a.m.	0.05	0.11	0.3											



TABLE VII.—Heights of rivers referred to zeros of gages, September, 1901.

Stations.	Distance to mouth of river.	Danger line on gage.	Highest water.		Lowest water.		Mean stage.	Monthly range.	Stations.	Distance to mouth of river.	Danger line on gage.	Highest water.		Lowest water.		Mean stage.	Monthly range.
			Height.	Date.	Height.	Date.						Height.	Date.	Height.	Date.		
<i>Mississippi River.</i>									<i>Cumberland River.</i>								
St. Paul, Minn.....	1,854	14	2.8	2	3.0	22-24	2.4	0.8	Burnside, Ky.....	516	50	29.5	18	2.4	12, 29, 30	5.6	27.1
Rede Landing, Minn.....	1,884	12	1.4	1, 16, 17	0.9	24-25	1.2	0.7	Carthage, Tenn.....	305	40	21.8	20	2.0	13, 14	6.2	19.8
La Crosse, Wis.....	1,819	12	2.6	13, 14	1.9	24-25	2.2	0.7	Nashville, Tenn.....	189	40	28.7	21	3.3	14	8.7	20.5
Prairie du Chien, Wis.....	1,759	18	2.8	13-15	1.4	7	1.7	0.8	Clarksville, Tenn.....	126	42	24.0	23	5.2	14	11.2	18.8
Dubuque, Iowa.....	1,690	15	2.6	15-17	1.9	6	2.2	0.7	<i>Arkansas River.</i>								
LeClaire, Iowa.....	1,609	10	1.4	17-19	1.0	4-11	1.1	0.4	Wichita, Kans.....	832	10	1.7	26	0.6	6-8	1.1	1.1
Davenport, Iowa.....	1,588	15	2.4	16	1.6	6-11	1.9	0.8	Webbers Falls, Ind. T.....	465	23	2.7	21	1.5	1-3, 5-20	1.6	1.2
Muscatine, Iowa.....	1,582	16	2.7	17-19	2.0	9, 10	2.3	0.7	Fort Smith, Ark.....	403	22	2.5	18	0.5	30	1.3	2.0
Gallaudet, Iowa.....	1,472	8	1.0	19, 20	0.6	10-12	0.8	0.4	Dardanelle, Ark.....	256	21	1.5	21, 25	0.2	6-8, 11-14	0.7	1.8
Keokuk, Iowa.....	1,468	15	0.9	20	0.2	9-12	0.5	0.7	Little Rock, Ark.....	176	23	2.6	23	1.3	16	1.9	1.8
Hannibal, Mo.....	1,402	13	1.7	21-25	1.1	10, 11, 15, 16	1.4	0.6	<i>White River.</i>								
Grafton, Ill.....	1,306	23	3.3	1	2.6	8-16	2.8	0.7	Newport, Ark.....	150	26	0.0	1-6, 18, 19	-0.2	11-13, 20-30	-0.1	0.3
St. Louis, Mo.....	1,264	50	5.2	22	2.2	17	3.2	3.0	Fayoozoo River.....	80	25	9.1	1	1.0	18	5.9	8.1
Chester, Ill.....	1,189	36	3.8	23	1.6	17, 18	2.4	2.3	Arthur City, Tex.....	688	27	6.4	18	10-12	4.6	2.8	
New Madrid, Mo.....	1,003	34	16.6	1	8.1	16, 17	11.0	8.5	Fulton, Ark.....	515	23	10.0	17	3.7	12, 13	5.7	6.8
Memphis, Tenn.....	843	33	15.0	1	4.3	18	7.3	10.7	Shreveport, La.....	327	29	4.6	21	0.8	16	2.2	8.8
Helena, Ark.....	767	42	22.8	1	8.7	19, 20	12.7	14.1	Alexandria, La.....	118	33	1.8	15, 26	-0.7	13, 14	0.4	2.5
Arkansas City, Ark.....	685	42	23.0	1	8.8	22	13.1	14.7	<i>Ouachita River.</i>								
Greenville, Miss.....	595	42	18.9	1	7.0	22	10.8	11.9	Camden, Ark.....	304	39	13.7	18	8.0	1-9	5.3	10.7
Vicksburg, Miss.....	474	45	20.4	3	6.4	23, 24	11.6	14.0	Monroe, La.....	123	40	7.8	20-22	0.4	12-14	2.7	7.4
New Orleans, La.....	108	16	5.9	4, 6	4.3	14, 29	5.0	1.6	<i>Atchafalaya River.</i>								
<i>Missouri River.</i>									Melville, La.....	100	31	17.1	6, 7	9.9	23, 25	18.0	7.2
Bismarck, N. Dak.....	1,309	14	2.8	14	0.9	9	1.7	1.9	<i>Susquehanna River.</i>								
Pierre, S. Dak.....	1,114	14	6.8	8	2.8	4, 11, 15	8.9	3.5	Wilkesbarre, Pa.....	183	14	8.1	3	-1.2	10-18	-0.1	4.8
Sioux City, Iowa.....	784	19	9.1	12	5.5	5-8	6.6	3.6	Harrisburg, Pa.....	69	17	5.2	4	1.7	29, 30	2.8	3.5
Omaha, Nebr.....	669	18	8.8	14	6.8	7, 8, 28	6.8	2.6	Williamsport, Pa.....	39	20	6.8	8	1.2	28	2.7	5.6
St. Joseph, Mo.....	481	10	4.4	16	1.0	8	2.1	8.4	Junction, Pa.....								
Kansas City, Mo.....	388	21	10.5	16	6.6	10	7.8	8.9	Huntingdon, Pa.....	90	24	5.7	1	3.0	23-30	3.7	2.7
Boonville, Mo.....	199	20	8.7	19	5.5	12	6.5	8.2	Potomac River.....								
Hermann, Mo.....	103	24	6.7	20	3.5	14, 15	4.4	3.2	Harpers Ferry, W. Va.....	172	16	8.0	2	-3.0	24-29	-0.8	11.0
<i>Illinois River.</i>									James River.....								
Peoria, Ill.....	185	14	6.8	15-21	5.9	8-11	6.1	0.4	Lynchburg, Va.....	280	18	2.7	8	0.6	7	1.8	2.1
<i>Youghiogheny River.</i>									Richmond, Va.....	111	12	3.4	30	-0.5	28	0.8	3.9
Confluence, Pa.....	59	10	2.4	2, 6	0.9	28-30	1.5	1.5	<i>Roanoke River.</i>								
West Newton, Pa.....	15	23	0.9	19	0.1	10, 26-28	0.4	0.8	Weldon, N. C.....	129	40	18.8	20	9.0	17	10.7	9.8
<i>Allegheny River.</i>									Fayetteville, N. C.....	112	38	48.6	20	4.0	16	12.3	39.6
Warren, Pa.....	177	14	3.0	17	0.7	12, 15	1.6	2.3	Edisto River.....								
Oil City, Pa.....	123	13	4.1	17	1.1	12, 13	2.2	3.0	Edisto, S. C.....	75	6	5.7	24-27	8.0	16	4.5	2.7
Parker, Pa.....	73	20	5.0	17	1.2	12, 29	2.3	3.8	Pedee River.....								
<i>Monongahela River.</i>									Cheraw, S. C.....	149	27	30.8	19	3.5	16	9.3	26.8
Weston, W. Va.....	161	18	0.6	18	-0.4	28	0.0	1.0	Black River.....								
Fairmont, W. Va.....	119	25	3.2	18	0.8	10-18, 23-30	1.2	2.4	Kingtree, S. C.....	60	12	10.6	27, 28	3.0	17	6.3	7.6
Greensboro, Pa.....	81	18	8.6	18	6.8	11, 13	6.9	2.3	Lynch Creek.....								
Lock No. 4, Pa.....	40	28	9.9	19	5.8	26	7.8	4.1	Effingham, S. C.....	35	13	14.5	25	3.7	17, 18	7.9	10.8
<i>Conemaugh River.</i>									St. Stephens, S. C.....	50	13	12.5	27	7.9	21, 22	10.1	4.6
Johnstown, Pa.....	64	7	2.8	2	1.5	27, 28	2.0	1.8	Congaree River.....								
<i>Red Bank Creek.</i>									Columbia, S. C.....	37	15	19.9	19	3.0	28, 29	5.5	17.9
Brookville, Pa.....	35	8	0.7	17	-0.2	26-30	0.3	0.9	Wateree River.....								
<i>Beaver River.</i>									Camden, S. C.....	45	24	28.4	19	6.2	16	12.3	22.2
Hillwood Junction, Pa.....	10	14	4.5	17-19	2.8	26-28	3.4	1.7	Waccamaw River.....								
<i>Great Kanawha River.</i>									Conway, S. C.....	40	7	5.7	1	3.3	19	4.5	2.4
Charleston, W. Va.....	58	30	7.9	19	4.6	10	6.6	3.3	Calhoun Falls, S. C.....	347	15	17.2	18	2.9	14-16	4.4	14.3
<i>Little Kanawha River.</i>									Augusta, Ga.....	268	32	31.6	19	9.0	16, 17	13.0	22.6
Glenville, W. Va.....	103	20	3.5	18	-1.2	10	0.8	4.7	<i>Broad River.</i>								
<i>New River.</i>									Carlton, Ga.....	30	11	14.8	18	2.7	10, 11, 14-16	3.8	12.1
Hinton, W. Va.....	95	14	4.8	1, 2	2.2	27, 28	8.0	2.6	Flint River.....								
<i>Cheat River.</i>									Albany, Ga.....	80	20	25.2	22	6.1	30	11.7	19.1
Rowlesburg, W. Va.....	86	14	4.0	1, 3	0.0	28	1.4	4.0	Chalahoochee River.....								
<i>Otter River.</i>									Westpoint, Ga.....	289	20	12.7	19	3.1	11, 12	4.5	9.6
Pittsburgh, Pa.....	966	22	7.0	8, 4	3.2	23	5.7	3.8	<i>Ocmulgee River.</i>								
Davis Island Dam, Pa.....	960	25	7.4	19	3.0	12, 29, 30	4.5	4.4	Macon, Ga.....	125	18	18.5	18	2.3	13	5.0	16.2
Wheeling, W. Va.....	875	36	9.0	18	3.2	18	5.6	5.8	Dublin, Ga.....	79	30	19.4	22	0.6	15	6.8	18.8
Parkersburg, W. Va.....	785	36	9.0	19	4.3	30	6.2	4.7	<i>Cooosa River.</i>								
Point Pleasant, W. Va.....	703	39	10.2	20	3.8	12, 30	6.1	6.4	Rome, Ga.....	271	30	11.2	18	1.8	18	8.7	9.4
Huntington, W. Va.....	660	50	13.5	21	6.3	28	9.3	7.2	Gadsden, Ala.....	144	18	10.5	20	1.9	15, 16	3.9	8.6
Catlettsburg, Ky.....	651	50	13.8	20	5.0	12, 13	8.4	8.3	<i>Alabama River.</i>								
Portsmouth, Ohio.....	612	50	13.8	21	6.1	19	9.5	7.7	Montgomery, Ala.....	265	35	12.0	1	3.0	12, 13, 27, 28	5.1	10.0
Cincinnati, Ohio.....	499	50	14.7	23	7.4	16, 17	10.9	7.8	Selma, Ala.....	212	35	17.0	1	3.2	13	6.9	13.8
Madison, Ind.....	418	46	13.4	22	7.0	17	10.4	6.4	Tombigbee River.....								
Louisville, Ky.....	367	28	7.7	22, 23	4.3	17, 18	6.2	3.4	Columbus, Miss.....	308	28	8.5	20	-2.5	11, 12	-0.9	6.0
Evansville, Ind.....	184	35	10.6	25	6.3	19	8.4	4.3	Demopolis, Ala.....	155	25	11.7	21	-0.1	13	4.8	11.8
Paducah, Ky.....	47	40	13.4	1	6.7	14, 15	9.7	6.7	<i>Black Warrior River.</i>								
Cairo, Ill.....	1,078	45	19.1	1	8.8	18	12.7	10.3	Tuscaloosa, Ala.....	129	43	16.0	19	1.3	18	5.0	14.7
<i>Muskingum River.</i>									Kopperl, Tex.....	369	21	8.5	18	-0.2	24-26, 29, 30	0.2	8.7

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